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ABSTRACT

The contents of this scurcebook of educational materials are divided into the following sections: Anatomy and Physiology; Medical Terminology; Medical Ethics and Department Management; Patient Care and Medical Decision-Making; Basic Nuclear Medicine; Diagnostic in Vivo; Diagnostic in Vitro; Pediatric Nuclear Medicine; Radiation Detection and Instrumentation; Mathematics and Computer Science; Radiochemistry and Radiopharmacy; Radiobiology; Radiation Physics; Radiation Dosimetry; Radiation Oncology; Radiation Pathology; Radionuclide Therapy; Quality Assurance; Radiation Protection; Other Modalities; and Miscellaneous. Each section is divided into sub-sections titled "Publications" in some chapters, and "Audiovisuals" and "Training Aids" in others. Entries include title, author, producer (or publisher), date, order number if available, price as of January 1, 1981, and when possible a brief description of the material. The last section lists publishers', producers', and manufacturers' addresses and periodicals of special interest to individuals involved in nuclear medicine. (Author/SK)

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Source Book of Educational Materials for Nuclear Medicine

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BRH PUBLICATIONS

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Addresses for ordering are: Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 ($1.00 minimum order); National Technical Information Service, Springfield, VA 22161 (outside North America, prices are double those listed); and Bureau of Radiological Health, Technical Information Staff (HFX-28), 5600 Fishers Lane, Rockville, MD 20857. All prices are subject to change.

FDA 80-8103 Analysis of Some Laser Light Show Effects for Classification Purposes (PB 80-131576, $5.00).

FDA 80-8104 The Selection of Patients for X-Ray Examinations (GPO 017-012-00285-4, $3.50) (PB 80-157431, mf only).

FDA 80-8105 X Rays: So You Want To Be In Pictures? (Bookmark).

FDA 80-8106 An Evaluation of Microwave Emissions from Sensormatic Electronic Security Systems (PB 80-155385, $5.00).

FDA 80-8107 Quantitative Analysis of the Reduction in Organ Dose in Diagnostic Radiology by Means of Entrance Exposure Guidelines (GPO 017-015-00164-4, $1.75) (PB 80-174956, mf only).

FDA 80-8108 Positive Beam Limitation Effectiveness Evaluation (GPO 017-015-00163-6, $2.00) (PB 80-166937, mf only).

FDA 80-8109 Proceedings of a Workshop on Thermal Physiology (PB 80-187867, $9.50).

FDA 80-8110 Quality Assurance Programs for Diagnostic Radiology Facilities (GPO 017-015-00166-1, $2.50) (PB 80-183338, mf only).

FDA 80-8111 Get the Picture on Dental X Rays (brochure).

FDA 80-8113 Sourcebook - Medical Radiation Materials for Patients (GPO 017-015-00178-4, $2.00).

FDA 80-8116 Chest X-Ray Screening Practices: An Annotated Bibliography (GPO 017-015-00167-9, $3.50) (PB 80-183890, mf only).

FDA 80-8117 X Radiation and the Human Fetus - A Bibliography (PB 80-157712, $20.00).

FDA 80-8118 A Word of Caution on Tanning Booths (brochure).

FDA 80-8119 Measurements of Emission Levels During Microwave and Shortwave Diathermy Treatments (GPO 017-015-00168-7, $1.75) (PB 80-194772, mf only).

FDA 80-8120 Microwave Oven Radiation (brochure) (supersedes FDA 79-8058).

FDA 80-8121 Laser Light Show Safety - Who's Responsible? (brochure).

FDA 80-8122 Microwave Hazard Instruments: An Evaluation of the Narda 8100, Holaday HI-1500, and Simpson 380M (PB 80-227820, $6.50).

FDA 80-8124 Optimization of Chest Radiography - Proceedings of a Symposium Held in Madison, Wisconsin, April 30-May 2, 1979 (GPO 017-015-00176-8, $7.50) (PB 80-208317, mf only).

FDA 80-8125 Research Into the Biological Effects of Ionizing Radiation in The Bureau of Radiological Health (GPO 017-015-00172-5, $4.00) (PB 80-217268, mf only).

FDA 80-8126 Symposium on Biological Effects, Imaging Techniques, and Dosimetry of Ionizing Radiations (July 1980) (GPO 017-015-00175-0, $8.00) (PB 81-112351, mf only).

FDA 80-8128 The Selection of Patients for X-ray Examinations: The Pelvimetry Examination (GPO 017-015-00174-1, $2.00) (PB 81-113490, mf only).

FDA 80-8129 Possible Genetic Damage from Diagnostic X Irradiation: A Review (PB 81-101743, $6.50).

FDA 80-8130 Nationwide Survey of Cobalt-60 Teletherapy: Final Report (PB 81-101784, $9.50).

FDA 80-8131 Vignettes of Early Radiation Workers: A Videotape Series (flyer).

FDA 80-8135 Hazards from Broken Mercury Vapor and Metal Halide Lamps (Notice of Alert) (pamphlet).

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Source Book of Educational Materials for Nuclear Medicine

Compiled by

Mary Lou Pijar
Jeannine T. Lewis
Division of Training and Medical Applications

BRH
bureau of radiological health

WHO Collaborating Centers for:
- Standardization of Protection Against Nonionizing Radiations
- Training and General Tasks in Radiation Medicine
- Nuclear Medicine

August 1981

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
Food and Drug Administration
Bureau of Radiological Health
Rockville, Maryland 20857

FOREWORD

The Bureau of Radiological Health develops and carries out a national program to control unnecessary human exposure to potentially hazardous ionizing and nonionizing radiations and to ensure the safe, efficacious use of such radiations. The Bureau publishes the results of its work in scientific journals and in its own technical reports.

These reports provide a mechanism for disseminating results of Bureau and contractor projects. They are distributed to Federal, State, and local governments; industry; hospitals; the medical profession; educators; researchers; libraries; professional and trade organizations; the press; and others. The reports are sold by the Government Printing Office and/or the National Technical Information Service.

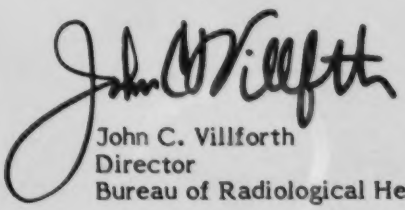
The Bureau also makes its technical reports available to the World Health Organization. Under a memorandum of agreement between WHO and the Department of Health and Human Services, three WHO Collaborating Centers have been established within the Bureau of Radiological Health, FDA:

WHO Collaborating Center for Standardization of Protection Against Nonionizing Radiations;

WHO Collaborating Center for Training and General Tasks in Radiation Medicine; and

WHO Collaborating Center for Nuclear Medicine.

Please report errors or omissions to the Bureau. Your comments and requests for further information are also encouraged.



John C. Villforth
Director
Bureau of Radiological Health

PREFACE

Within the Bureau of Radiological Health, the Division of Training and Medical Applications is responsible for programs to improve the practices of those who use radiation in the healing arts. An important aspect of this work is the development and distribution of educational materials, both for students in the health care professions and for the continuing education of individuals who are already in practice.

The Bureau of Radiological Health has pursued a broad course of involvement in many areas of nuclear medicine, including quality assurance, development of radiodiagnostic agents and instrumentation, and the education of nuclear medicine personnel. In the education area, the Bureau has recognized the need to identify and categorize systematically the educational materials and teaching aids that would be pertinent to the training of students and the continuing education of individuals involved in the field of nuclear medicine. With this necessity in mind, the "Source Book of Educational Materials for Nuclear Medicine," a compendium of such educational materials has been developed.

With the exception of those materials produced by BRH, the inclusion of educational material in this Source Book should not be construed as endorsement by the Bureau, with respect to either technical accuracy or educational efficacy.

William S. Properzio, Ph.D
Director
Division of Training and
Medical Applications
Bureau of Radiological Health

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The mention of commercial products, their sources, or their use in connection with material reported herein is not to be construed as either an actual or implied endorsement of such products by the Department of Health and Human Services (HHS), or the World Health Organization (WHO).

INTRODUCTION

The Source Book has been divided into 22 sections. Each section corresponds to subject areas included in a compilation of curricula for nuclear medicine technology. Each section is subdivided into subsections entitled "Publications" and in some chapters, "Audiovisuals," and "Training Aids."

Entries include title, author, producer, or publisher, date, ordering number if available, price, and when possible, a brief description. Publishers', producers' and manufacturers' addresses are found in Section 22 - Parts A, B, and C. Section 22 - Part D lists periodicals of special interest to individuals involved in nuclear medicine. This list of resource materials is not exhaustive but in the opinion of the compilers is a representative sample of the material available in the field.

Prices are listed as of January 1981 and are subject to change.

The Division of Training and Medical Applications of the Bureau of Radiological Health has established a Training Resource Center. It is referenced in Section 22. The Center distributes many types of radiological health audiovisual training materials. All of the programs in the Center are available on a short-term free-loan basis.

Special acknowledgment is extended to Mary Ann Wollerton for her assistance in preparing and compiling the material and to Donald Hamilton and Frederick Shuman for their technical review.

1. ANATOMY AND PHYSIOLOGY

A. PUBLICATIONS

ANATOMICAL PRIMER
Langebartel, David A.; Ullrich, Robert H.
University Park Press, 1976, $26.95

Introductory text for courses in anatomy with illustrations to present the subject of gross anatomy with clarity.

ANATOMY: A REGIONAL ATLAS OF THE HUMAN BODY
Clemente, Carmine D.
Lea and Febiger, 1975, $32.50

Full-color regional atlas, with Nomina Anatomica labels, cross-referenced to the 29th American edition of "Gray's Anatomy of the Human Body" as a companion volume.

ANATOMY AND PHYSIOLOGY LABORATORY MANUAL
Anthony, Catherine Parker; Thibodeau, Gary A.
C.V. Mosby Company, (10th Ed.), 1979, $9.95

A supplement to Textbook of Anatomy and Physiology providing a complementary answer book and a wide variety of experiments.

ANATOMY AND PHYSIOLOGY LABORATORY TEXTBOOK - COMPLETE
Benson, Harold J.; Gunstream, Stanley
Wm. C. Brown Company Publishers, (2nd Ed.), 1977, $14.00

Laboratory textbook provides the paramedical student with a solid balance of anatomy and physiology. It features 53 exercises, proceeding from anatomical diagrams and dissection to physiological experimentation.

ANATOMY AND PHYSIOLOGY LABORATORY TEXTBOOK-SHORT
Benson, Harold J.; Gunstream, Stanley
Wm. C. Brown Company Publishers, (2nd Ed.), 1977, $11.85

Offers the same thorough coverage as the Complete Edition, but omits cat dissection.

ANATOMY AND PHYSIOLOGY, THE BASIC PRINCIPLES
Evans, William F.
Prentice Hall, Inc., (2nd Ed.), 1976, $19.95

Complete coverage of basic structure and function of the human body. Begins with a consideration of protoplasm and elementary chemistry, and proceeds through the study of cells and tissues and anatomical terminology to the various body systems and the part each plays in the maintenance of homeostasis.

ATLAS OF HUMAN ANATOMY
Sobotta, Johannes

Vol. I - Regions, bones, ligaments, joints and muscles, $39.50
Vol. II - Visceral anatomy, $39.50
Vol. III - Central nervous system, autonomic nervous system, sense organs and skin, peripheral nerves and vessels, $45.00
Urban Schwartzenberg, (9th Ed.), 3 volume set, 1977, $112.00

ATLAS OF MEDICAL ANATOMY
Langman, Jan; Woerdeman, M.W.
W.B. Saunders Company, 1978, $29.50

New anatomical reference for both students and practitioners.

ATLAS OF RADIOLOGIC ANATOMY
Wicke, Lothar
Urban Schwartzenberg, (2nd Ed.), 1979, $17.00

ATLAS OF TOPOGRAPHICAL AND APPLIED HUMAN ANATOMY
Pernkapt, Eduard

Vol. 1. Head and Neck, 1980, $98.00
Vol. 2. Thorax, Abdomen, and Extremities, 1980, $98.00
Vol. 3. Comprehensive Index, 1980, $12.00
Urban Schwartzenberg, Total set, $208.00

BASIC CONCEPTS IN ANATOMY AND PHYSIOLOGY
Anthony, Catherine Parker; Thibodeau, Gary A.
C.V. Mosby Company, (4th Ed.), 1979, $9.95

A self-help supplement designed to tell the student immediately whether information has been used correctly.

BASIC HUMAN ANATOMY
Dawson, Helen L.
Appleton-Century-Crofts, 1974, $15.50

Deals primarily with gross human anatomy. It also includes sufficient microscopic anatomy to be helpful to beginning students in understanding the basics of muscle organization, bone growth and repair, and the development, structure and function of organs.

BASIC HUMAN ANATOMY AND PHYSIOLOGY
Dienhart, Charlotte, M.
W.B. Saunders Company, (3rd Ed.), 1979, $10.50

A small book in anatomy and physiology for students in nursing, allied health and practical nursing.

BASIC HUMAN PHYSIOLOGY: NORMAL FUNCTIONS AND MECHANISM OF DISEASE
Guyton, Arthur, C.
W.B. Saunders Company, (2nd Ed.), 1977, $21.00

Based on the Guyton Textbook of Medical Physiology, it contains all of the basic physiological concepts and principles, but omits most of the references to research work, some of the references to clinical problems, and many of the special qualifying explanations.

BASIC PHYSIOLOGY AND ANATOMY
Chaffee, Ellen, E.; Lytle, Ivan M.
Lippincott/Harper, (4th Ed.), 1980, $19.95

Extensively revised, updated and expanded version of basic text. Contains new chapters on basic concepts of immunity, nutrition and aging.

BASIC PHYSIOLOGY FOR THE HEALTH SCIENCES
Selkurt, Ewald E.
Little, Brown and Company, 1975, $17.50 cloth, $13.95 paper

Complete basic textbook of physiology plus enough related anatomy to place the physiological processes in context. Geared to allied health and nursing students.

BIOLOGY OF RESPIRATION
Bryant, C.
University Park Press, 1973, $4.95

BODY STRUCTURE AND FUNCTIONS
Ferris, E.B.; Skelley, E.G.
Delmar Publishers, 1979, $4.95 school price

Provides a study of each body system complete with activities, assignments, and achievement reviews.

CARDIOVASCULAR FLOW DYNAMICS AND MEASUREMENT
Hwang, N.
University Park Press, 1976, $49.50

CIRCULATORY - PHYSIOLOGY - THE ESSENTIALS
Smith, James J.; Kampine, John P.
Williams and Wilkins Company, 1980, $14.95

Book is designed to fit easily into a busy reading schedule. It covers only the concepts essential to an understanding of the basics of circulatory physiology with an emphasis on clinical application.

CLINICAL ANATOMY AND PHYSIOLOGY FOR ALLIED HEALTH SCIENCES
Anderson, Paul D.
W.B. Saunders Company, 1976, $14.00

This is a simply written, illustrated book that integrates clinical considerations more effectively than other anatomy and physiology texts at this level.

CLINICAL ANATOMY AND PHYSIOLOGY FOR ALLIED HEALTH SCIENCES - LAB MANUAL
Anderson, Paul D.
W.B. Saunders Company, 1976, $10.00

This is to accompany the Anderson textbook, "Clinical Anatomy and Physiology for Allied Health Sciences." However, it does not lean on that text and can readily be used in conjunction with any other similar textbook.

CLINICAL HEMATOLOGY
Wintrobe, M.M.
Lea and Febiger, 1974, $42.50

Comprehensive text on the subject of blood cells with coverage of kinetic studies.

CLINICALLY ORIENTED ANATOMY
Moore, Keith L.
Williams and Wilkins Company, 1980, $26.95

Correlates basic anatomy with a strong clinical orientation.

COLOR ATLAS OF SECTIONAL ANATOMY - CHEST, ABDOMEN AND PELVIS
Lyons, E.A.
C.V. Mosby Company, 1978, $139.50

Clinicians involved in computed tomography, nuclear tomography, and ultrasonography can rely on this atlas to better interpret scans and recognize abnormalities.

CONCISE ANATOMY
Edwards, Linden Forest; Gaughran, George R.
McGraw-Hill Book Company, (3rd Ed.), 1971, $22.00

Gross human anatomy is presented concisely to provide a clear understanding of the structural features of the human body.

CORRELATIVE SECTIONAL ANATOMY OF THE HEAD AND NECK - A COLOR ATLAS, VOLS. I AND II
Thompson, Joseph R.; Hasso, Anton N.
C.V. Mosby Company, 1979, $175.00

A guide to help correlate normal sectional radiography, tomographic and photographic anatomy with computed tomography scans of the head and neck.

DYNAMIC ANATOMY AND PHYSIOLCGY
Langley, L.L.
McGraw-Hill Book Company, (5th Ed.), 1980, $18.95

A text that highlights the interrelationships between human anatomy and physiology, this book focuses on providing an indepth and clear presentation of difficult concepts.

ELEMENTS OF ANATOMY AND PHYSIOLOGY
Jacob, Stanley W.; Francone, Clarice A.
W.B. Saunders Company, 1976, $9.95

This is a brief, simplified text/atlas of anatomy and physiology which contains 225 illustrations, many appearing in two colors.

ESSENTIALS OF HUMAN ANATOMY
Woodburne, Russell T.
Oxford University Press Inc., (6th Ed.), 1978, $25.00

Reliable, concise, and balanced, this text is a product of the author's long career in teaching gross anatomy.

FUNCTIONAL HUMAN ANATOMY
Crouch, James E.
Lea and Febiger, (3rd Ed.), 1978, $19.50

Descriptive gross anatomy text that provides a wider understanding of man by depicting interrelationships of structures and functions of the body, organs and systems.

GRANT'S ATLAS OF ANATOMY
Anderson, James E.
Williams and Wilkins Company, (7th Ed.), 1978, $34.50

This current edition has been completely revised to follow the normal sequence of dissection. Thirty new illustrations have been added--including radiographs and arteriograms.

GRAY'S ANATOMY OF THE HUMAN BODY
Goss, Charles Mayo
Lea and Febiger, (29th Ed.), 1973, $28.50

Anatomy text that has been used in American schools for more than one hundred years.

HANDBOOK OF PHYSIOLOGY
Lee; Falk; Murphy
Williams and Wilkins Company, 1977, $80.00

This latest edition consists of a detailed examination of environmental disturbances and their physiological effects, particularly those resulting from physical and chemical agents introduced by man.

HEART AND LUNGS AT WORK (A PRIMER OF EXERCISE PHYSIOLOGY)
Wilmore, J.H.; Norton, A.C.
McGraw-Hill Book Company, $2.00

HUMAN ANATOMICAL DISSECTIONS-LABORATORY EXERCISES FOR THE HEALTH PROFESSIONS
Sauerland, Eberhardt; Sauerland, Tracy
Williams and Wilkins Company, 1980, $13.95

Features a concise text and numerous illustrations. Designed exclusively for students in the allied health professions.

HUMAN ANATOMY
Tobin, Charles E.
The Bobbs-Merrill Company, Inc., 1975, $7.20

Introduction to basic anatomy. It is specifically directed to the allied health student.

HUMAN ANATOMY AND PHYSIOLOGY
Crouch, James Ensign
John Wiley and Sons, Inc., (2nd Ed.), 1976, $24.95

HUMAN ANATOMY AND PHYSIOLOGY
Hole, John W.
Wm. C. Brown Company Publishers, 1978, $21.55

Translates classroom theory into professional practice for health science career students. Approach concentrates on the basics of the structure and function of the human body.

HUMAN ANATOMY REVIEW
Montgomery, Royce; Singleton, Mary C.
Arco Publishing Company, Inc., 1978, $8.00

Includes material on all regions of the body as well as clinically relevant questions with explained answers. Contains full page illustrations.

HUMAN CARDIOVASCULAR SYSTEM
Shepherd, John T.; Vanhoutte, Paul M.
Raven Press Publishers, 1979, $25.00, cloth, $14.95, paper

Textbook designed for use in medical school courses of introductory cardiology and physiology as well as for more advanced use by those beginning specialty training or others wishing a general review of the basic functions of the human cardiovascular system.

ILLUSTRATED PHYSIOLOGY
McNaught, Ann B.; Callander, Robin
Churchill Livingstone Inc., (3rd Ed.), 1975, $11.95

Simple, straightforward text, with many illustrations.

ILLUSTRATED PROGRAMMED GROSS ANATOMY
Gross, Verlee E.
Halls of Ivy Press, (2nd Ed.), 1973, $16.00

Each system of the body is literally broken into its many components and these parts are illustrated many times to emphasize each intricate detail.

INTRODUCTION TO HUMAN ANATOMY
Francis, Carl C.; Martin, Alexander
C.V. Mosby Company, (7th Ed.), 1975, $18.95

Illustrated introductory anatomy text gives special attention to the functional aspects of human anatomy.

INTRODUCTION TO HUMAN PHYSIOLOGY
Green, J.H.
Oxford University Press, Inc., (4th Ed.), 1976, $12.50

Providing an up-to-date introduction to human physiology and a brief introduction to biochemistry, this book is designed chiefly for beginning medical students and undergraduates who already have some knowledge of chemistry, physics and biology.

INTRODUCTION TO PHYSIOLOGY
Davson, Hugh; Segal, M.B.

Vol. 1. Basic Mechanisms Part 1, 1975, $19.50
Vol. 2. Basic Mechanisms Part 2, 1975, $19.50
Vol. 3. Control Mechanisms Part 1, 1975, $25.00
Vol. 4 Mechanisms of Motor Control, 1978, $30.00
Grune and Stratton, Inc.

JOHNS HOPKINS ATLAS OF HUMAN FUNCTIONAL ANATOMY
Schlossberg, Leon; Zuidema, George
Johns Hopkins University Press, 1980, $10.95 paper, $17.50 cloth

A guide to understanding the workings of the human body, its organs and systems. Contains 178 color illustrations.

KIMBER, GRAY, STACKPOLE'S ANATOMY AND PHYSIOLOGY
Miller; Drakontides; Leavell
Macmillan Publishing Co. Inc., (17th Ed.), 1977, $17.95

Textbook for introductory courses that combine anatomy and physiology. Designed primarily for students of nursing and various paramedical disciplines.

LABORATORY GUIDE TO HUMAN PHYSIOLOGY: CONCEPTS AND CLINICAL APPLICATIONS
Fox, Stuart I.
Wm. C. Brown Company Publishers, 1980, $11.85.

Presents exercises that illustrate basic principles in human physiology.

LABORATORY MANUAL IN PHYSIOLOGY AND ANATOMY
Chaffee, Ellen E.; Valazquez, Janet M.
Lippincott/Harper, 1980, $8.95

Organization of this manual is consistent with the textbook, "Basic Physiology and Anatomy." It is divided into ten parts and each part consists of a series of laboratory exercises.

LIVER, BILE DUCTS AND PANCREAS
White, T.T.; Sarles, H.; Benhamous, J.P.
Grune and Stratton, Inc., 1977, $47.75

MANUAL OF HUMAN ANATOMY
Aitken, J.T.; Causey, G.; Young, J.Z.

Vol. I - Thorax, Abdomen and Pelvis, $12.50
Vol. II - Head and Neck, $11.00
Vol. III - Upper and Lower Limbs, $11.50
Churchill Livingstone Inc., (3rd Ed.)

OUTLINE OF HUMAN ANATOMY
Wischnitzer, Saul
University Park Press, 1978, $12.95

Outline textbook for all students of anatomy in radiologic technology and other disciplines.

PHOTOGRAPHIC ANATOMY OF THE HUMAN BODY
Yokochi, Chihiro; Rohen, Johannes W.
University Park Press, 1978, $22.50

PHYSIOLOGY OF BREATHING - A TEXTBOOK FOR MEDICAL STUDENTS
Bouhuys, Arend
Grune and Stratton, Inc. 1977, $16.50

Provides students of medicine with a comprehensive framework of knowledge concerning respiratory physiology, emphasizing areas which are important in physiopathology.

PHYSIOLOGY OF THE HEART
Katz, Arnold M.
Raven Press Publishers, 1977, $14.95 paper, $28.50 cloth

Stresses the important aspects of basic cardiac science.

POCKET ATLAS OF HUMAN ANATOMY
Feneis, Heinz
Year Book Medical Publishers, 1976, $12.95

A pocket atlas used for review.

PRIMARY ANATOMY
Basmajian, John V.
Williams and Wilkins Company, (7th Ed.), 1976, $15.00

Unique among texts because of its many special illustrations. This edition has been augmented with more than 50 new or revised figures and a 26 page color atlas.

PRINCIPLES OF PHYSIOLOGY
Jensen, David
Appleton-Century-Crofts, (2nd Ed.), 1980, $29.50

Provides a comprehensive and current reference to the fundamental principles of human physiology. Has a practical balance of the fundamentals and the clinical aspects.

PROGRAMMED APPROACH TO ANATOMY AND PHYSIOLOGY
Set of 15 volumes, complete set $75.00
The Cardiovascular System, 1970, $5.95
The Cell, 1972, $5.95
The Digestive System, 1972, $5.95
The Endocrine System, 1972, $5.95
The Lymphatic and Reticuloendothelial Systems, 1973, $5.95
The Muscular System, 1972, $5.95
The Nervous System, 1972, $5.95
Nutrition, Metabolism, Fluid and Electrolyte Balance, 1972, $5.95
Reproduction in Humans, 1973, $5.95
The Reproductive System, 1972, $5.95
The Respiratory System, 1972, $5.95
The Skeletal System, 1972, $5.95
The Skin, 1972, $5.95
The Special Senses, 1972, $5.95
The Urinary System, 1974, $5.95
Robert J. Brady Co.

Series of 15 programmed texts for teaching the complex systems of the human body.

QUANTITATIVE CARDIOVASCULAR STUDIES
Hwang, N.
University Park Press, 1979, $49.50

RESPIRATORY PHYSIOLOGY - THE ESSENTIALS
West, John B.
Williams and Wilkins Company, (2nd Ed.) 1979, $13.50

A readable and comprehensive study of respiratory physiology.

REVIEW OF GROSS ANATOMY
Pansky, Ben
Macmillan Publishing Co., Inc., (4th Ed.), 1979, $14.95

STRUCTURE AND FUNCTION IN MAN
Jacob; Francone; Lassow
W.B. Saunders Company, (4th Ed.), 1978, $15.95

Designed for the beginning student. Physiology is stressed with emphasis on anatomy.

STRUCTURE AND FUNCTION OF THE BODY
Anthony, Catherine Parker; Thibodeau, Gary A.
C.V. Mosby Company, (6th Ed.), 1980, $8.95

STRUCTURE AND FUNCTION OF THE HUMAN BODY
Memmler, Ruth L.; Wood, Dena L.
Lippincott/Harper, 1977, paper $6.75, cloth $10.75

Specifically designed for those requiring a beginning level text on normal anatomy and physiology. This concise, up-to-date edition familiarizes students with the human body.

SURFACE ANATOMY
Basmajian, J.V.
Williams and Wilkins Company, 1977, $5.95

Supplement to the larger anatomy texts and can be applied to both formal classes and student self instruction.

SYNOPSIS OF GROSS ANATOMY
Christensen, John B.; Telford, Ira Rockwood
Harper and Row Publishers, (2nd Ed.), 1978, $20.00

Synoptic volume of regional anatomy which presents the basic facts and concepts in the study of gross anatomy considered essential for students of medicine and associated sciences.

SYNOPSIS OF RADIOGRAPHIC ANATOMY
Meschan, Isadore
W.B. Saunders Company, 1979, $31.00

TEXTBOOK OF ANATOMY
Hollinshead, W. Henry
Harper and Row Publishers, (3rd Ed.), 1974, $32.50

Textbook for the first year professional student, which presents the anatomic facts and concepts the student will require during formal medical training.

TEXTBOOK OF ANATOMY AND PHYSIOLOGY
Anthony, Catherine Parker; Thibodeau, Gary A.
C.V. Mosby Company, (10th Ed.), 1979, $20.95

Readable presentation of the human structure.

TEXTBOOK OF ANATOMY AND PHYSIOLOGY
Reith, Edward
McGraw-Hill Book Company, (2nd Ed.), 1978, $17.95

Comprehensive text for nursing and allied health students in combined anatomy and physiology courses.

TEXTBOOK OF HUMAN ANATOMY
Hamilton, W.J. (Ed.)
C.V. Mosby Company, (2nd Ed.), 1976, $36.50

An updated edition of a British and European text used for years.

TEXTBOOK OF MEDICAL PHYSIOLOGY
Guyton, Arthur C.
W.B. Saunders Company, 1981, $38.00

Basic physiology plus medical applications are presented in a style the student and clinical practitioner can readily understand.

TEXTBOOK OF PHYSIOLOGY AND BIOCHEMISTRY
Bell, George H. et al.
Churchill Livingstone Inc., 1980, $30.00

Provides an integrated account of physiology and biochemistry with particular emphasis on those aspects which are relevant to medical students and other students of human biology.

THYROID GLAND (COMPREHENSIVE ENDOCRINOLOGY)
DeVisscher, Michel
Raven Press Publishers, 1980, $49.50

This volume in the Comprehensive Endocrinology set provides a detailed summary of our current understanding of normal and pathological thyroid function.

B. AUDIOVISUALS

ABC'S OF RESPIRATORY FUNCTION
Noehren, Theodore H.; Wignall, Richard K.
Medcom Products, 100-35 mm slides, $115.00

A look at the dynamics of respiration as the authors trace events in the breathing process and cover basic aspects of pulmonary function testing.

ANATOMICAL TERMINOLOGY, JOINT CLASSIFICATION, AND RANGE OF MOTION
J.B. Lippincott Company
35 mm film strip and cassette, 1977, $437.50

ANATOMY AND PHYSIOLOGY
Research Media, Inc.
16 Overhead transparencies with 42 overlays, Order No. 220325, $90.00
35 mm color slides with audio cassette, 1974, Order No. 230400, $48.00

BASIC CARDIAC ANATOMY AND PHYSIOLOGY
Hamilton, Glen W.
Society of Nuclear Medicine, Chicago address
35 mm color slides and tape, $50.00 for SNM members, $60.00 for nonmembers

BIOGRAPHY OF THE UNBORN
Encyclopaedia Britannica
16 mm B&W film, Order No. 1436, $215.00
Inquire from manufacturer about rental cost

CLINICAL ENDOCRINOLOGY
Kupperman, Herbert; Young, Iven
Medcom Products, 105-35 mm slides with audio, $115.00

Authors review endocrine pathology through case histories, accompanied by gross, microscopic, x-ray and laboratory findings.

ENDOCRINE SYSTEM AND PATIENT CARE I.
Part 4 - Regulation of Metabolism: Thyroid Hormones, Part 1.
Part 5 - Regulation of Metabolism: Thyroid Hormones, Part 2.
Concept Media
35 mm film strips, $90.00 each

GAMEPLAN: LIFE
Abbott Laboratories
16 mm color film, 1974, $75.00 and available for free loan

GRANT'S ATLAS OF ANATOMY- GRANT'S DIAGRAMS
Williams and Wilkins Company
135-35 mm slides, $150.00

GRANT'S ATLAS OF ANATOMY - GRANT'S DISSECTIONS
Williams and Wilkins Company
420-35 mm slides, $440.00

Each of the 420 cadaver-dissecting illustrations from Grant's Atlas has been reproduced in slide format.

HUMAN BIOLOGY
GAF
37 transparencies, Order No. 253-854, $185.00. Inquire from manufacturer about individual costs.

PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM
Research Media, Inc.
16 transparencies with 38 overlays, Order No. 220327, $135.00
44-35 mm slides with audiotape, with instruction manual, 1974, Order No. 230403, $52.00

STRUCTURE AND FUNCTION IN MAN
Jacob, Stanley; Francone, Clarice
Cells and Tissues
Body Framework
Muscular System
Nervous System
Circulatory System
Respiratory System
Digestive System
Urinary System
Endocrine System
Reproductive System
W.B. Saunders Company
Filmstrips with tape cassette and booklet
Order No. 9881-6, 1974, $250.00

UNDERSTANDING YOUR BODY

Series I
The Eyes and Seeing
The Ears and Hearing
The Skin and its Functions
The Teeth and Eating
Taste, Smell, Touch
The Nervous System
The Muscular System
Encyclopaedia Britannica
Caption film strips, $12.50 each, $108.00 total series

Series II
The Circulatory System
The Respiratory System
The Digestive System
The Endocrine System
The Urinary System
The Respiratory System
Diet and Health
Encyclopaedia Britannica
Caption film strips, $12.50 each, $94.50 total series

C. TRAINING AIDS

ALDERSON NUCLEAR PHANTOMS
Including for example - Head Phantom - Standard for Brain Scanning; Rando Phantom Systems for Radiotherapy; Sectional Phantoms
Alderson Research Laboratories, Inc.
Prices available from manufacturer

HUMANOID SYSTEMS
Standard Full Bodied Phantoms
Prices available from manufacturer

MEDICAL PLASTICS LABORATORY, INC.
Complete set of phantoms with explanatory slides
Prices available from manufacturer

3M COMPANY
Complete set of phantoms
Prices available from manufacturer

2. MEDICAL TERMINOLOGY

A. PUBLICATIONS

ABBREVIATIONS IN MEDICINE
Steen, Edwin B.
Macmillan Publishing Co., Inc., (4th Ed.), 1978, $8.95

Handy sized reference book which has been enlarged to include over 13,000 abbreviations in common use in medicine and the related sciences.

ANALYZER OF MEDICAL-BIOLOGICAL WORDS
Schmidt, Jacob Edward
Charles C. Thomas, Publisher, 1973, $8.75

A clarifying dissection of medical terminology showing how it works. Meant for medics, paramedics, students and visitors from foreign countries.

BASIC MEDICAL TERMINOLOGY
Fisher, J. Patrick
The Bobbs-Merrill Company, Inc., 1975, $11.50

Workbook which gives the beginning student in any allied health field a basic understanding of the language of medicine and medical science.

BLAKISTON'S POCKET MEDICAL DICTIONARY (TEXT EDITION)
Blakiston (Ed. in Chief)
McGraw-Hill Book Co., (4th Ed.), 1979, $12.95

Approximately 35,000 terms with syllabication, pronunciation and definition. It also includes anatomic tables and color inserts of human anatomy.

BRADY'S PROGRAMMED ORIENTATION TO MEDICAL TERMINOLOGY
Barnes, Thomas; Israel, Jacob
Robert J. Brady Co., 1970, $7.95

Helps students develop skills in using and pronouncing common medical terms.

BUTTERWORTH'S MEDICAL DICTIONARY
Critchley, M.
Butterworths Publishing, Inc., (2nd Ed.), 1978, $159.95

Succinct yet complete definitions, disease descriptions, and bibliographical data.

DIAGNOSTIC CODING INDEX FOR NUCLEAR RADIOLOGY
American College of Radiology, 1972, $10.00 ACR members, $12.00, nonmembers

Contains nine major anatomical areas divided into two sections-systems-procedure code and pathologic code.

DICTIONARY OF ABBREVIATIONS IN MEDICINE AND THE HEALTH SCIENCES
Hughes, Harold K.
Lexington Books, 1977, $24.95

Covers abbreviations, acronyms and initialism in medicine and the health sciences.

DORLAND'S POCKET DICTIONARY
W.B. Saunders Company, (22nd Ed.), 1977
Thumb index $11.95, without thumb index $9.95

GLOSSARY OF WORDS AND PHRASES USED IN RADIOLOGY, NUCLEAR MEDICINE AND ULTRASOUND
Etter, Lewis E.
Charles C. Thomas, Publisher, (2nd Ed.), 1970, $28.75.

INDEX OF PARAMEDICAL VOCABULARY
Schmidt, Jacob Edward
Charles C. Thomas, Publisher, 1974, $8.75

An index-indicator enabling the user not versed in Greek and Latin to locate the terminology of a given subject in a paramedical, medical or biological dictionary.

LANGUAGE OF MEDICINE
Chabner, Davi Ellen
W.B. Saunders Company, (2nd Ed.), 1980, $16.95

LEARN-A-TERM
Garber, A. Brent; Sparks, Leroy
Aspen Systems Corporation, 1977, $13.95

A training course in medical terminology for health and hospital persons who have not had medical training but who use medical terminology every day.

LEARNING MEDICAL TERMINOLOGY STEP BY STEP
Young, Clara Gene; Austrin, Marian G.
C.V. Mosby Company, (4th Ed.), 1979, $14.95

Presents a basic tool for building a medical vocabulary essential to understanding both diseases and relevant terminology employed.

MASTERING MEDICAL TERMINOLOGY
Gross, Verlee E.
Halls of Ivy Press, (6th Ed.), 1980, $16.00

Student uses the medical terms through practical application. Medical words (with pronunciations) are presented in sentence form.

MCGRAW-HILL DICTIONARY OF THE LIFE SCIENCES
McGraw-Hill Book Company, 1976, $22.50

Reference guide to the vocabulary of the biological sciences and related disciplines such as chemistry, statistics, and physics, this new dictionary contains over 20,000 terms and definitions encompassing 49 different fields of science.

MEDICAL ABBREVIATIONS AND ACRONYMS
Roody, Peter; Forman, Robert E.; Schweitzer, Howard
McGraw-Hill Book Company, 1976, $7.50.

Compilation of abbreviations and acronyms used in medicine and in such health-related areas as dentistry, audiology, and psychology.

MEDICAL SPANISH
Bongiovanni, Gail
McGraw-Hill Book Company, 1977, $7.50

Pocket manual which provides the means for establishing accurate communication with Spanish-speaking patients.

MEDICAL TERMINOLOGY: A PROGRAMMED TEXT
Smith, G.L.; Davis, P.E.
John Wiley and Sons, Inc., (4th Ed.), 1981, $11.95

Designed to give beginning allied health students a basic understanding of the language of medicine using the programmed method of learning.

MEDICAL TERMINOLOGY: A TEXT/WORKBOOK
Prendergast, Alice
Addison-Wesley Publishing Co., Inc.
Order No. 05966, 1977, $10.95

Workbook is to provide students, whether through classroom use or self study, with a simple, practical method for building a medical vocabulary.

MEDICAL TERMINOLOGY AND THE BODY SYSTEMS
Collin, Mary A.
Harper and Row Publishers, 1974, $8.95

A text of medical terminology which presents medical terms in a logical arrangement for easy reading and comprehension. The text is organized by body systems.

MEDICAL TERMINOLOGY: EXERCISES IN ETYMOLOGY
Dunmore, Charles W.; Fleischer, Rita M.
F.A. Davis Company, Order No. 2945-1, 1977, $8.95

Primarily a text for medical terminology courses, this book is also a self-study manual, popular with premedical students and those in any allied health curricula.

MEDICAL WORD BOOK
Sloane, Sheila B.
W.B. Saunders Company, 1973, $13.95

This text is meant to reduce the amount of time spent in searching for the correct spelling of medical terms. The words are grouped in sections by medical specialty and many words are repeated in more than one section.

MELLONI'S ILLUSTRATED MEDICAL DICTIONARY
Dox, Ida; Melloni, Biagio; Eisner, Gilbert
Williams and Wilkins Company, 1979, $18.95

By merging the visual with the verbal, Melloni's Dictionary conveys essential terminology clearly, quickly and with improved retention.

NURSING AND MEDICAL TERMINOLOGY
Radcliff, Ruth K.; Ogden, Sheila J.
C.V. Mosby Company, 1977, $11.95

Combines medical and nursing terminology in a single comprehensive source. Self-evaluation, quizzes, answer sheets and flash cards accompany each chapter.

SIMPLIFIED MEDICAL DICTIONARY
Franks, Richard
Delmar Publishers, 1977, $9.39, school price, $12.52, list price

"Word finder" alphabetically lists commonly used medical terms by prefix or suffix.

SI UNITS IN MEDICINE
Lippert, Herbert; Lehmann, H. Peter
Urban Schwartzenberg, 1978, $14.50

An introduction to the international system of units with conversion tables and normal ranges.

STEDMAN'S MEDICAL DICTIONARY, 23rd Ed.
Williams and Wilkins Company, 1976, $29.50

Drawing upon the combined assets of man and computer, "Stedman's 23" captures the total spectrum of terminology relevant to the life sciences.

TABER'S CYCLOPEDIC MEDICAL DICTIONARY
Thomas, Clayton L.
F.A. Davis Company, 1977, $14.50, plain, $15.95 indexed

Features word etymologies, basic health questions and answers in 5 different languages - plus a quick reference to health emergencies, conversion tables, abbreviations, first aid treatments, etc.

20,000 MEDICAL WORDS
Prichard, Robert W.; Robinson, Robert E., III
McGraw-Hill Book Company, 1972, $7.50

The selection of words in this reference guide is based on a frequency analysis of case histories, pathologic reports, psychiatric histories, etc.

UNDERSTANDING MEDICAL TERMINOLOGY
Frenay, Sister Agnes Clare
Catholic Hospital Association, (6th Ed.), 1977, $8.00

A practical, comprehensive text or reference for all who need a working knowledge of medical terminology.

B. AUDIOVISUALS

ANATOMICAL TERMINOLOGY, JOINT CLASSIFICATION, AND RANGE OF MOTION
J.B. Lippincott Company
35 mm film strip and cassette, 1977, $437.50

BASIC MEDICAL TERMINOLOGY

Fisher, J. Patrick
The Bobbs-Merrill Company, Inc.
Audio cassettes, 1975, $68.25, school price

Gives the beginning student in any allied health field a basic understanding of the language of medicine and medical science.

METRIC SYSTEM OF MEASUREMENT - SI RADIATION UNITS - VT-0076

Bureau of Radiological Health
3/4" video cassette, 1980
Training Resources Center (HFX-73), available for free loan. Order by title and number.

Describes the four basic quantities used in the radiation sciences - exposure, absorbed dose, dose equivalent, and activity - using the SI System of Units. The new unit values and names for each of these quantities are explained and some sample calculations are performed.

QUICK MEDICAL TERMINOLOGY AUDIO CASSETTE (WILEY SELF-TEACHING GUIDE)

Smith, G.L.; Davis, P.E.
John Wiley and Sons, Inc.
Audio cassette, 1976, $7.95

3. MEDICAL ETHICS AND DEPARTMENTAL MANAGEMENT

A. PUBLICATIONS

ADMINISTRATION OF A RADIOLOGY DEPARTMENT: HINTS FOR DAY-TO-DAY OPERATIONS

Janower, Murray L.
Charles C. Thomas, Publisher, 1978, $9.75

Demonstrates that the application of common sense and sound business management principles to a radiology department will result in a marked improvement in its day-to-day operations.

AID TO ETHICS AND PROFESSIONAL CONDUCT FOR STUDENT RADIOLOGICAL TECHNOLOGISTS

Ohnysty, James
Charles C. Thomas, Publisher, (2nd Ed.), 1979, $10.50

Designed to challenge and motivate students entering the field of radiologic technology into accepting the responsibilities which this profession holds.

BIOETHICS AND HUMAN RIGHTS

Bandman, Elsie, L.; Bandman, Bertram
Little, Brown and Company, 1978, $10.95

Discussion of the ethical issues facing health care practitioners today.

BIOETHICS: A TEXTBOOK OF ISSUES

Kieffer, George H.
Addison-Wesley Publishing Co., Inc., 1979, $16.95, Order No. 03891

Discusses the major ethical and social issues arising out of the "new" biology and modern medicine.

DECENTRALIZING HOSPITAL MANAGEMENT: A MANUAL FOR SUPERVISORS

Bean, Joseph; Laliberty, Rene
Addison-Wesley Publishing Co., Inc., 1980, $7.95, Order No. 00556

An operational manual for health care supervisors. It acquaints supervisors with basic management functions and gets them "thinking" in the direction of planning, organizing, directing and coordinating functions which should be a way of life for supervisors at all levels.

ECONOMICS OF HEALTH AND MEDICAL CARE

Jacobs, Philip
University Park Press, 1979, $15.95

Provides the background to a thorough economic analysis of health and medical care.

FINANCIAL OPERATION AND MANAGEMENT CONCEPTS IN NUCLEAR MEDICINE
Bennington, James L.; Handmaker, Hirsch; Freedman, Gerald
University Park Press, 1977, $19.50

Primarily devoted to both qualification and quantification aspects of fiscal and management parameters relating to nuclear medicine.

HEALTH CARE ETHICS
Ashley, Benedict; O'Rourke, Kevin
Catholic Health Association of the United States, 1978, $13.00

Broad and comprehensive approach to the major ethical issues affecting human health and the health care professions.

HOSPITAL ECONOMICS
Berki, Sylvester E.
Lexington Books, 1972, $17.50

Book develops a generalized framework for the analysis of hospital management, giving detailed consideration to objectives, production processes, outputs and pricing schemes as well as costs.

LEGAL MEDICINE
Everette, James, A.
Urban Schwartzenberg, 1980, $32.50

Book with special reference to diagnostic imaging.

MEDICAL JURISPRUDENCE
Waltz, J.R.
Macmillan Publishing Co., Inc., 1971, $14.95

Written primarily for the practitioner and the student of medicine, to answer their most significant and basic questions about the law and its workings.

MEDICAL PROBLEMS AND THE LAW
Brown, K.L.
Charles C. Thomas, Publisher, 1971, $17.50

Brings out problems seldom openly discussed but which are ever present and frequently plague both the medical and legal professions.

MEDICAL RECORDS, MEDICAL EDUCATION, AND PATIENT CARE
Weed, Lawrence L.
Year Book Medical Publishers, 1979, $19.95

Presents a plan for assembling patient data and organizing it by problem, thus ensuring a truly logical framework for the practice of medicine.

MORAL PROBLEMS IN MEDICINE
Gorovitz, Samuel (Ed.)
Prentice Hall, Inc., 1976, $18.50

Designed primarily to provide readings for a consideration of the moral issues in medicine from a philosophical point of view.

NEW HOSPITAL SUPERVISOR
Diekelmann, N.; Broadwell, M.
Addison-Wesley Publishing Co., Inc., 1977, $8.95

Focuses on feelings, attitudes, and needed skills of persons in new supervisory positions.

PATIENT AS A PERSON: EXPLORATION IN MEDICAL ETHICS
Ramsey, Paul
Yale University Press, 1974, $4.95

PERCIVAL'S MEDICAL ETHICS
Leake, Chauncey D.
Robert E. Krieger Publishing Company, Inc., 1975, $15.50

PROBLEMS IN HOSPITAL LAW
Hershey, Nathan
Aspen Systems Corporation, (3rd Ed.), 1978, $15.00

Book reflects the law as it is today. A good reference for administrators, department heads and all key hospital decision makers. Good student text for programs in health care administration.

PROFESSIONAL APPROACH TO RADIOLOGY ADMINISTRATION
Osborn, Royce R.
Charles C. Thomas, Publisher, 1980, $29.75

Book is divided into five segments which deal with organization and development, departmental operation, equipment and accessories, budgets and fiscal accounting, and the radiology administrator.

RELATIONSHIPS BETWEEN DOCTORS AND PATIENTS
Davis, Alan (Ed.)
Lexington Books, 1978, $16.95

Examination of the relationships between doctors and patients. It demonstrates how standardized services can lead to essentially dehumanized relationships. The book offers specific remedies.

RELIGIOUS ASPECTS OF MEDICAL CARE
Catholic Health Association of the United States, (2nd Ed.), 1978, $6.00

Presents information on the basic concepts of 33 religions and how these concepts affect medical care.

WESTERN MAN AND ENVIRONMENTAL ETHICS
Barbour, Ian G.
Addison-Wesley Publishing Co., Inc., 1973, $5.95

Collection of readings which examine attitudes toward nature and technology that have led to the environmental crisis, and new attitudes that might contribute to survival and the quality of life on earth.

B. AUDIOVISUALS

CLERGY IN CANCER MANAGEMENT
Rev. Jack J. Printzenhoff, Consultant
American Cancer Society, 1976, free loan 16 mm film with audio; 3/4" video cassette

Explores the broadening role of the clergy as part of the rehabilitation team. Highlights discussions between the clergy and medical profession.

CURRICULUM FOR RADIOLOGIC TECHNOLOGY ETHICAL AND PROFESSIONAL ISSUES IN RADIOLOGIC TECHNOLOGY
Audio Visual Concepts, Inc.
3/4" video cassettes, Order No. 65087, $216.00

ETHICS, VALUES AND HEALTH CARE
Part 1 - The Nature of Ethical Problems
Part 3 - A Patient's Bill of Rights
Part 8 - Concerning Death
Concept Media
35 mm film strips with record or cassette, $90.00 each

LEGAL ASPECTS OF NURSING
Part III - Tender Legal Care
Harris-Tuchman Production, Inc.
Filmstrips with record or tape cassette, $70.00
35 mm slides with tape cassette, Order No. LEX-300, $125.00

MALPRACTICE AND NEGLIGENCE
Part I - Take Care or Beware
Part II - What's Up?
Part III - To Sue or Not to Sue
Harris-Tuchman Production Inc.
Filmstrips with record or tape cassette, all three $170.00, $70.00 each
35 mm slides with tape cassette, Order No. LEX-303, all three $345.00, $125.00 each

4. PATIENT CARE AND MEDICAL DECISIONMAKING

A. PUBLICATIONS

ALLIED HEALTH PROFESSIONAL AND THE PATIENT: TECHNIQUES OF EFFECTIVE INTERACTION
Purtilo, Ruth
W.B. Saunders Company, (2nd Ed.), 1978, $7.95

The book has a threefold purpose: to enhance self-understanding; to clarify the dynamics of the health professional/patient relationship; and to develop an awareness of the complementary roles of other health professionals.

BEHAVIOR AND ILLNESS
Wu, Ruth
Prentice Hall, Inc., 1973, $10.95

CANCER CARE: A PERSONAL GUIDE
Glucksberg, Harold; Singer, Jack W.
Johns Hopkins University Press, 1980, $14.95

This straightforward handbook, written by two cancer specialists in clear, nontechnical language, is one that any reader will find informative and one that should help cancer patients and their loved ones make many difficult decisions.

CANCER PATIENT - SOCIAL AND MEDICAL ASPECTS OF CARE
Cassileth, Barrie
Lea and Febiger, 1979, $12.50

Indepth and unique study of the human and social aspects of cancer.

CARE OF THE PATIENT IN DIAGNOSTIC RADIOGRAPHY
Chesney, D. Noreen
Lippincott/Harper, (5th Ed.), 1978, $20.00

Text focuses on the radiographer's clinical, ethical and legal responsibilities for the patient's safety and comfort during his stay in the hospital x-ray department.

CHRONIC ILLNESS AND THE QUALITY OF LIFE
Strauss, Anselm L.
C.V. Mosby Company, 1975, $9.95

Book strives to educate health care personnel in psychological and social manifestations of chronic diseases.

COMMUNICATION IN HEALTH CARE - UNDERSTANDING AND IMPLEMENTING EFFECTIVE HUMAN RELATIONSHIPS
Collins, Mattie
C.V. Mosby Company, 1977, $9.50

Discusses the concepts related to communications and decisionmaking in health care.

COMPLETE PATIENT HISTORY
Kraytman, Maurice
McGraw-Hill Book Company, 1979, $10.95

A pocket guide for use by medical students, house staff, and nursing practitioners, this book focuses on taking a thorough, meaningful patient history and relating the responses to a specific complaint.

DECISION ANALYSIS IN MEDICINE: METHODS AND APPLICATIONS
Patrick, Edward A.
CRC Press, Inc. 1979, $69.95

Applies statistical pattern recognition to medicine.

DECISION ANALYSES: INTRODUCTORY LECTURES ON CHOICES UNDER UNCERTAINTY
Raiffa, Howard
Addison-Wesley Publishing Co., Inc., 1968, $10.95

Intended for an introductory course in operations management at the advanced undergraduate/first year graduate level.

EMERGENCY CARE
Grant, Harvey; Murray, Robert
Robert J. Brady Co. (2nd Ed.), 1978, $12.50

Covers almost any emergency an Emergency Medical Technician might encounter.

HEALTH ASSISTANT
Caldwell, Esther; Hegner, Barbara
Delmar Publishers, 1979, $5.85 school price

Text-workbook for in-service training of nurse aides and orderlies to provide basic bedside care.

INTRODUCTION TO PATIENT CARE
DuGas, Beverly
W.B. Saunders Co., (3rd Ed.), 1977, $15.95

This basic textbook in the fundamentals of nursing now contains additional material on the health care system, major health problems, and the role of the nurse.

LIFTING, MOVING AND TRANSFERRING PATIENTS - A MANUAL
Rantz, Marilyn J.; Courtial, Donald
C.V. Mosby Company, 1977, $8.95

Manual which sets forth specific directions for step-by-step moving, lifting, and transferring; techniques are concise, clearly explained, and illustrated with photographs.

MANAGEMENT OF PERSONS ACCIDENTALLY CONTAMINATED WITH RADIONUCLIDES
National Council on Radiation Protection and Measurement
Report No. 65, 1980, $8.00.

MANUAL OF HISTORY TAKING, PHYSICAL EXAMINATION AND RECORD KEEPING
Raus, Elmer E.; Raus, Madonna
Lippincott/Harper, 1974, $21.50

Problem-oriented, pocket-sized manual provides the exact words and phrases needed for extracting pertinent information from a patient speaking a language foreign to the house staff physician.

MEDICAL RECORDS, MEDICAL EDUCATION AND PATIENT CARE
Weed, Lawrence L.
Year Book Medical Publishers, 1970, $19.95

Presents a plan for assembling patient data and organizing it by problem, thus ensuring a truly logical framework for the practice of medicine.

MEDICAL RISKS
Singer, R.B.; Levinson, L.
Lexington Books, 1976, $37.95

MULTILINGUAL MANUAL FOR MEDICAL HISTORY-TAKING
Del Guercio, Louis R.
Little, Brown and Company, 1972, $8.95

Bridges the communication gap between physicians and their non-English speaking patients. Covers six languages: French, Spanish, German, Polish, Italian and Russian.

PATIENT CARE AND SPECIAL PROCEDURES IN RADIOLOGIC TECHNOLOGY
Watson, J.C.
C.V. Mosby Company, 1974, $16.95

Defines the technologist's role on the medical team and supplies specific information on patient care of those undergoing radiographic procedures in diverse situations.

PATIENT CARE TECHNIQUES
Hicks, Dorothy J. et al.
The Bobbs-Merrill Company, Inc., 1975, $6.65

Offers both the philosophical concepts of patient care and specific procedures involved in that care.

PATIENT MANAGEMENT PROBLEMS - EXERCISES IN DECISION MAKING AND PROBLEM SOLVING
Chertow, Bruce S. et al.
Appleton-Century-Crofts, 1979, $28.95

Practical self-assessment guide, this book covers in detail the clinical decision-making process involved in managing problems in a wide variety of medical subspecialties.

PRECAUTIONS IN THE MANAGEMENT OF PATIENTS WHO HAVE RECEIVED THERAPEUTIC AMOUNTS OF RADIONUCLIDES
National Council on Radiation Protection and Measurement
Report No. 37, 1970, $6.00

PROMOTING PSYCHOLOGICAL COMFORT
Francis, Gloria M.; Munjas, Barbara A.
Wm. C. Brown Company Publishers, (2nd Ed.), 1979, $5.35

This second edition expands and updates information on the dynamics of human behavior and provides the nursing student with guidelines for furthering the emotional comfort of the patient.

QUALITY ASSURANCE FOR PATIENT CARE: NURSING PERSPECTIVES
Mayers, Marlene et al.
Appleton-Century-Crofts, 1977, $13.50

Essential reference for those who administer quality assurance programs. Explores effective application of evaluation principles to patient care.

RADIOLOGIC MANAGEMENT OF THE MASSIVELY TRAUMATIZED PATIENT
Ayella, Robert J.
Williams and Wilkins Company, 1978, $44.00

Completely covers the arrival of the accident victim; protection of the patient during radiologic maneuvers and procedures used in the admitting area, the operating room and the critical care recovery unit.

TALKING WITH PATIENTS
Bird, Brian
Lippincott/Harper, (2nd Ed.), 1973, $15.50

Book explains how the doctor can communicate more effectively with his patient in a variety of clinical situations.

TECHNIQUES OF PATIENT CARE
Zimmerman, Clarence E.
Little, Brown and Company, (2nd Ed.), 1976, $9.95

A practical and definitive guide to techniques of handling bedside care and procedures.

TECHNOLOGY FOR PATIENT CARE - APPLICATIONS FOR TODAY, IMPLICATIONS FOR TOMORROW
Bronzino, Joseph D.
C.V. Mosby Company, 1977, $10.95

Explores the impact of modern technology on contemporary health care delivery for the nurse with a limited background in engineering or advanced mathematics.

WORKING WITH CHILDREN IN HOSPITALS
Plank, Emma N.
Year Book Medical Publishers, (2nd Ed.), 1971, $12.50

B. AUDIOVISUALS

BASIC PATIENT CARE
Communicable Disease Techniques - Order No. BPC-10
Medical and Surgical Asepsis - Order No. BPC-11
Robert J. Brady Co.
Filmstrips with L.P. records or cassette tapes, $40.00 each

CARDIOPULMONARY RESUSCITATION EMERGENCY TECHNIQUES AND TRAINING
Association Films
16 mm color film, 1974, free loan

CURRICULUM FOR RADIOLOGIC TECHNOLOGY
#65076 - An Irate Parent and
#65088 - A Case of Overreaction - $228.00
#65077 - A Case of Negligence: Who Is Responsible - $132.00
#65078 - A Non-English Speaking Patient - $144.00
#65079 - Management of an Intoxicated Patient
#65082 - And An Aggressive Patient - $228.00
#65080 - Methods of Dealing With a Frightened Child - $84.00
#65081 - Gaining Patient Cooperation - $140.00
#65083 - Management of a Fainting Patient and
#65089 - Management of an Elderly Patient - $132.00
Audio Visual Concepts, Inc.
3/4" video cassettes

DECISIONS IN CRITICAL CARE: THE CARDIOPULMONARY CRISIS
Abbott Laboratories
16 mm color film with audio, 1972, purchase, $130.00, write Chicago address rental, $10.00 a day for 5 day maximim, write New York address.

Diagnoses and management decisions of a cardiopulmonary emergency.

DIAGNOSIS AND MANAGEMENT OF EPILEPTIC SEIZURES
Association Films
16 mm color film with video cassette, 1976, free loan

EMERGENCY CARE
Grant, Harvey; Murray, Robert
Robert J. Brady Co.

Unit 1. The Emergency Situation
34 transparencies - $195.00; sound/slides, $70.00; 42 slides only, $60.00

Unit 2. Respiration And Resuscitation
24 transparencies - $140.00; sound/slides, $60.00; 34 slides only, $50.00

Unit 3. Cardiopulmonary Resuscitation
47 transparencies -$100.00; sound/slides, $65.00; 36 slides only, $55.00

Unit 8. Medical And Environmental Emergencies
31 transparencies - $180.00; sound/slides, $95.00; 54 slides only, $75.00

Unit 10 - Handling Sick Or Injured Patients
19 transparencies $110.00; sound/slides, $55.00; 28 slides only, $45.00

FAMILY OF THE DYING PATIENT; NURSING MANAGEMENT OF THE DYING PATIENT
American Cancer Society
Audiotapes packaged with discussion guide, 1972, free loan

LOSS AND GRIEF
1. Loss
2. The Grief Process
3. When Someone is Grieving...
Series No. 121
Concept Media, Inc.
35 mm film strip with audio cassette, 1977, $90.00 each

90 SECONDS TO SAVE A LIFE
Lansdown, E.L.; Hobbs, B.B., Scott, A.A.
Radiological Society of North America
35 mm slides with audiotape cassette, $35.00

Exhibit which reviews life-saving measures which can be carried out to aid patient in any setting. ABCD system (airway, breathing, circulation, and drug) is discussed.

PERSPECTIVES ON DYING
1. American Attitudes Toward Death and Dying
2. Psychological Reactions of the Dying Person
3. Hazards and Challenges in Providing Care
4. Guidelines for Interacting with the Dying Person
5. Viewpoint - The Dying Patient
Series No. 107
Concept Media, Inc.
35 mm film strip with audio cassette, 1972, $90.00 each

SAFETY IN MEDICAL FACILITIES
Brady, Robert J.
Robert J. Brady Co.
Filmstrips with records or tape cassettes, $40.00

STANDARD FIRST AID
American Red Cross
16 mm color film, 1978, $235.00 set of 4 films or free loan

VITAL SIGNS
J.B. Lippincott Company
35 mm filmstrip and cassette, 1977, $962.50

5. BASIC NUCLEAR MEDICINE

A. PUBLICATIONS

BASIC IMAGING PROCEDURES IN NUCLEAR MEDICINE
Clifton, Nancy A.; Simmons, Pamela J.
Appleton-Century-Crofts, 1981, $13.95

Here is a practical guide with a step-by-step approach to nuclear medicine imaging procedures. Intended for nuclear medicine technologists, it covers all aspects of imaging and includes useful tips to prevent common errors and improve scan quality.

BASIC NUCLEAR MEDICINE
Baum, Sheldon; Bramlet, Roland
Appleton-Century-Crofts, 1975, $17.50

Contains sections on radionuclide imaging, external monitoring, the nuclear medicine laboratory and the physical aspects of nuclear medicine.

BASIC SCIENCE OF NUCLEAR MEDICINE
Parker, Ray P.; Smith, Peter H.; Taylor, David M.
Churchill Livingstone Inc., 1978, $26.00

Provides information on the basic principles of physics, radiation biology, instrumentation, chemistry and radiopharmaceuticals. The book is a basic survey of the basic sciences related to nuclear medicine.

BASIC SCIENCE PRINCIPLES OF NUCLEAR MEDICINE
Boyd, Charles; Dalrymple, G. (Eds.)
C.V. Mosby Company, 1974, $26.50

CLINICAL NUCLEAR MEDICINE - MEDICAL OUTLINE SERIES
Matin, Philip
Medical Examination Publishing Co., Inc., 1981, $29.50 cloth, $21.50 paper

Easily accessible source of information related to the various nuclear medicine procedures, their clinical indications, and the underlying physiologic principles and techniques.

CRC MANUAL OF NUCLEAR MEDICINE PROCEDURES
Keyes, John W., Jr.
CRC Press, Inc., (3rd Ed.), 1978, $29.95

Update of procedures for use with radioisotope imaging equipment. Includes revisions in dose schedules, recommended radiopharmaceuticals, dosimetry and equipment recommendations.

DIAGNOSTIC NUCLEAR MEDICINE
Gottschalk, Alexander; Potchen, James
Williams and Wilkins Company, 197[illegible], $57.00

Contents cover isotopes, instruments and methodology for tracer kinetics, spaces, pools and body composition, blood pool imaging, nuclear hematology and more.

MEDICAL EXAMINATION REVIEW - NUCLEAR MEDICINE, VOLUME 25
Solomon, Nathan A. (Ed.)
Medical Examination Publishing Co., Inc., 1977, $16.50

Thorough and practical review consisting of 1,269 multiple choice questions and fully detailed explanatory answers, extensively referenced to current journals and textbooks in nuclear medicine.

MEDICAL RADIONUCLIDE IMAGING
Unipub - Vol. 1. 1977, $49.00; Vol. 2. 1977, $37.00

Containing papers of an IAEA symposium, these volumes provide physicians and specialists in various disciplines with information on the latest advances in the field of medical radionuclide imaging: novel imaging devices and refinements of existing instruments, new and improved radiopharmaceuticals, and computer-based techniques for image processing analysis.

NUCLEAR MEDICINE
Blahd, W.H.
McGraw-Hill Book Company, (2nd Ed.), 1971, $46.00

Contains chapters on such titles as Radioisotopes and Their Radiations, Preparation and Use of Radioactive Tracers, and Tumor Localizations.

NUCLEAR MEDICINE
Spencer, Richard P.
CRC Press, Inc. Vol I. 1977, $69.95; Vol II. 1980, $69.95

Tabular data deals with properties of radiopharmaceuticals and detectors, as well as clinical information which emerges.

NUCLEAR MEDICINE ANNUAL 1980
Freeman, Leonard (Ed.); Weissman, Heidi S. (Asst. Ed.)
Raven Press Publishers, 1980, $39.50

This annual series is designed to keep the nuclear medicine physician abreast of the "state of the art" in radionuclide methodology. Each volume will contain 10 fairly lengthy reviews of subjects of contemporary interest. The majority are clinical, but basic science is also covered.

NUCLEAR MEDICINE: CLINICAL AND TECHNOLOGICAL BASIS
Andrews, J.T.; Milne, M. Jean
John Wiley and Sons., Inc., 1977, $39.50

Intended for students of nuclear medicine technology with the purpose of teaching the principles of procedures rather than just procedures.

NUCLEAR MEDICINE - FOCUS ON CLINICAL DIAGNOSES
Spencer, Richard P.
Medical Examination Publishing Company, Inc., (2nd Ed.), 1980, $18.00

Fully illustrated text presents a broad and practical overview of the rapidly expanding field of clinical nuclear medicine.

NUCLEAR MEDICINE FOR THE GENERAL PHYSICIAN
Verdon
PSG Publishing Co., Inc., 1980, $25.00

Book discusses the origin of nuclear medicine, techniques of imaging and the applicability of nuclear medicine to the various organs and organ systems.

NUCLEAR MEDICINE PHYSICS, INSTRUMENTATION AND AGENTS
Rollo, David F.
C.V. Mosby Company, 1977, $58.50

Provides a comprehensive, yet easy to understand look at physical factors involved in nuclear imaging.

NUCLEAR MEDICINE REVIEW SYLLABUS
Kirchner, P.T.; Eckelman, W.C. (Eds.) et al.
Society of Nuclear Medicine, 1980, $32.50

A detailed, system-by-system review of methodological advances in nuclear medicine since the early 1970's. Chapters on: Radiopharmacology; Instrumentation; Radiation Effects and Radiation Protection; Cardiovascular System; CNS; Endocrinology; Gastroenterology; Genito-Urinary System; Hematology-Oncology; Pulmonary System; Radioassay; Skeletal System. Detailed bibliography. Comprehensive index.

NUCLEAR MEDICINE SCIENCE SYLLABUS
Nuclear Medicine Science Syllabus Subcommittee
Society of Nuclear Medicine, 1978, $33.00

Comprehensive outline of subject matter in nuclear medicine science. Topics include: Mathematics & Physics; Radiation Detection & Instrumentation; Anatomy, Physiology, & Medical Terminology; Radiation Biology; Radiation Protection; Radiochemistry & Radiopharmaceuticals; Diagnostic Imaging & Function Techniques; Computers & Data Processing. Liberally referenced. Extensive bibliography.

NUCLEAR MEDICINE TECHNOLOGY CONTINUING EDUCATION REVIEW
Dubovsky, Eva (Ed.)
Medical Examination Publishing Company, Inc., 1976, $13.50

NUCLEAR MEDICINE TECHNOLOGY EXAMINATION REVIEW
Spies, Stewart M.; Gryniewicz, Deborah; Martin, Donna L.
Arco Publishing Company, Inc., 1980, $12.00

A comprehensive review covering all aspects of clinical nuclear medicine as well as those fundamental to study and practice. Traditional subjects as well as the newer areas of computer applications and nuclear cardiology are included.

NUCLEAR MEDICINE TECHNOLOGY EXAMINATION REVIEW BOOK
Frey, G. Donald; Klobukowski, C.J.
Medical Examination Publishing Company, Inc., (2nd Ed.), 1980, $14.50

Designed to assist nuclear medicine technologists in assessing their knowledge of the field, this volume also serves as a self-study aid in reviewing for professional exams. This new edition is expanded and updated, and new chapters on mathematics and quality control have been added. Contains multiple-choice questions and referenced explanatory answers.

NUCLEAR MEDICINE TECHNOLOGY REVIEW
Rosenfeld, Sheila; White, Susan
Year Book Medical Publishers, 1977, $15.95

Directed toward the technologist. Gives a review of the nuclear medicine field.

NUCLEAR MEDICINE TECHNOLOGY AND TECHNIQUES
Bernier, Donald R.; Langan, James K.; Wells, L. David
C.V. Mosby Company, 1980, $27.00

Thorough coverage of basic science as well as clinical areas to provide an understanding of all aspects of nuclear medicine. Clinical chapters discuss actual nuclear medicine techniques.

NUCLEAR RADIOLOGY
Series I
Potchen, E. James (Ed.)
American College of Radiology, 1974, $55.00 ACR members; $75.00 ACR nonmembers; $35.00 residents

Series II
Siegel, Barry A. American College of Radiology, 1978, $55.00 ACR members, $75.00 ACR nonmembers, $35.00 Residents

Professional Self-Evaluation and Continuing Education Program which consists of exam materials and hard-cover syllabus.

RADIOACTIVE ISOTOPES IN BIOLOGICAL RESEARCH
Hendee, William R.
John Wiley and Sons, Inc., 1973, $27.50

RADIOACTIVE ISOTOPES IN MEDICINE AND BIOLOGY
Quimby, Edith H.; Feitelberg, Sergi
Lea and Febiger, (3rd Ed.), 1970, $12.50

Contains chapters on such topics as Nuclear Reactions, Dosage Calculations for Radioactive Isotopes and Radiation Detectors, Principles of Operation.

RADIOISOTOPE LABORATORY TECHNIQUE
Faires, R.A.; Parks, B.H.
Butterworths Publishing, Inc., (4th Ed.), 1981, $39.95

RADIOISOTOPES IN RADIODIAGNOSIS
Bligh, A.S. et al.
Butterworths Publishing, Inc., 1976, $29.95

RADIOTRACER METHODOLOGY IN THE BIOLOGICAL, ENVIRONMENTAL, AND PHYSICAL SCIENCES

Wang, H.; Willis, D.L.; Loveland, W.D.
Prentice Hall, Inc., 1975, $23.95

RECENT ADVANCES IN NUCLEAR MEDICINE

Lawrence, John H; Budinger, Thomas
Grune and Stratton, Inc.
Vol. III, 1972, $41.75
Vol. IV, 1974, $47.25
Vol V, 1978, $31.25

Vol. 5 provides a state-of-the-art overview in the fields of nuclear medicine imaging using positrons, radiography using heavy ions, and radiotherapy using neutrons or heavy ions.

SELF-ASSESSMENT OF CURRENT KNOWLEDGE IN NUCLEAR MEDICINE

Selby, John B.; Frey, G. Donald
Medical Examination Publishing Company, Inc., 1977, $14.50

Volume comprises 1,012 multiple-choice questions and answers referenced to recent literature in the field.

SPEAK TO ME IN NUCLEAR MEDICINE

Shtasel, Philip
Harper and Row Publishers, 1976, $25.00

Book attempts to fill the communication void between the nuclear specialist and the critical medical masses. Most of the material is useful at the community hospital level, not reserved exclusively for the university complex.

STUDY GUIDE IN NUCLEAR MEDICINE: A MODERN UP-TO-DATE PRESENTATION

Ashkar, Fuad; Miale, Jr., August; Smoak, William
Charles C. Thomas, Publisher, 1975, $20.25 (paper)

Provides a comprehensive review of nuclear medicine and is helpful for persons studying for the examination of the American Board of Nuclear Medicine.

TECHNOLOGY AND INTERPRETATION OF NUCLEAR MEDICINE PROCEDURES

Sodee, Bruce D.; Early, Paul J.
C.V. Mosby Company, (2nd Ed.), 1975, $31.95

A companion to Textbook of Nuclear Medicine Technology, this book covers the theory and application of nuclear medicine in two parts: Part I - Nuclear Science, and Part II - Clinical Nuclear Medicine.

TEXTBOOK OF NUCLEAR MEDICINE: BASIC SCIENCE

Rocha, Antonio; Harbert, John
Lea and Febiger, 1978, $27.50

General textbook which covers every aspect of nuclear medicine from basic atomic structure and measurement of radioactivity to activation analysis and the newest developments in computerized tomography and ultrasound.

TEXTBOOK OF NUCLEAR MEDICINE-CLINICAL APPLICATIONS
Rocha, Antonio; Harbert, John et al.
Lea and Febiger, 1979, $32.50

Author has tried to deal specifically and at length with all of the most important clinical applications of nuclear medicine.

TEXTBOOK OF NUCLEAR MEDICINE TECHNOLOGY
Early, Paul J.; Razzak, Muhammad Abdel; Sodee, Bruce D.
C.V. Mosby Company. (3rd Ed.), 1979, $32.95

Covers such topics as biologic effects of radiation, methods of radioactive decay, and the origin of nuclides.

TRAINING MANUAL FOR NUCLEAR MEDICINE TECHNOLOGISTS
Bureau of Radiological Health
Superintendent of Documents, U.S. Government Printing Office
No. 017-015-00002-8, 1973, $2.95

6. DIAGNOSTIC IN VIVO

A. PUBLICATIONS

APPLICATIONS OF IODINE-123 IN NUCLEAR MEDICINE - PROCEEDINGS OF A CONFERENCE
Bureau of Radiological Health
National Technical Information Service, PB 254223/AS, 1975, $12.50

ATLAS OF CARDIOVASCULAR NUCLEAR MEDICINE
Strauss, H. William
C.V. Mosby Company, 1977, $46.50

Provides information on cardiovascular nuclear medicine procedures.

ATLAS OF COMPUTERIZED EMISSION TOMOGRAPHY
Ell, P.J.; Deacon, J.M.; Jarritt, P.H.
Churchill Livingstone Inc., 1980, $115.00

ATLAS OF NUCLEAR MEDICINE: BONE VOL. I
Dibos, Pablo E.; Wagner, Henry N., Jr.
W.B. Saunders Company, 1978, $40.00

ATLAS OF NUCLEAR MEDICINE: BRAIN VOL. I
DeLand, Frank H.; Wagner, Henry N., Jr.
W.B. Saunders Company, 1969, $40.00

Contains chapters such as tumors, cisternography, and infectious diseases.

ATLAS OF NUCLEAR MEDICINE IMAGING
Baum, Sheldon et al.
Appleton-Century-Crofts, 1980, $78.00

Text covers the essentials of performing nuclear medicine scans in the clinical diagnostic setting. It includes a description of the normal, disease states and abnormal conditions, behavior and distribution of the particular radiopharmaceutical utilized, and the anatomical and functional characteristics of the image itself.

ATLAS OF NUCLEAR MEDICINE: LUNGS AND HEART VOL. II
DeLand, Frank H.; Wagner, Henry N., Jr.
W.B. Saunders Company, 1970, $40.00

ATLAS OF NUCLEAR MEDICINE: RETICULOENDOTHELIAL SYSTEM, LIVER, SPLEEN AND THYROID VOL. III
DeLand, Frank H.; Wagner, Henry N., Jr.
W.B. Saunders Company, 1972, $40.00

This is the third of four volumes on the use of radioisotopic scans for diagnostic purposes and is of primary interest to workers in nuclear medicine and radiology.

ATLAS OF TECHNETIUM BONE SCANS
Citrin, Dennis L.; McKellops, James H.
W.B. Saunders Company, 1978, $60.00

CARDIAC NUCLEAR MEDICINE
Holman, B.L.; Abrams, H.L.; Zeitler, E.
Springer-Verlag, 1979, $19.00

CARDIOVASCULAR NUCLEAR MEDICINE
Freeman, Leonard M.; Blaufox, M. Donald (Eds.)
Grune and Stratton, Inc., 1980, $37.50

CARDIOVASCULAR NUCLEAR MEDICINE
Strauss, H. William; Pitt, Bertram
C.V. Mosby Company, (2nd Ed.), 1979, $54.50

Provides an authoritative overview of cardiovascular nuclear medicine. The authors present not only the latest techniques and overview, but also historical and background information on cardiovascular nuclear medicine.

CEREBRAL RADIONUCLIDE ANGIOGRAPHY
Deland, Frank H.
W.B. Saunders Company, 1976, $42.00

This volume demonstrates the feasibility, usefulness, and accuracy of cerebral radionuclide angiography in the diagnostic evaluation of cerebral disease.

CLINICAL NUCLEAR CARDIOLOGY
Parkey, Robert W. et al.
Appleton-Century-Crofts, 1978, $32.50

Assists in evaluating and selecting the most effective technique for investigating, examining, and diagnosing various forms of heart disease. Contains current data of all-nuclear imaging and testing methods.

CLINICAL SCINTILLATION IMAGING
Freeman, Leonard M.; Johnson, Philip M.
Grune and Stratton, Inc., (2nd Ed.), 1975, $77.00

CORRELATIONS IN DIAGNOSTIC IMAGING, NUCLEAR MEDICINE, ULTRASOUND, AND COMPUTED TOMOGRAPHY IN MEDICAL PRACTICE
Sodee, D. Bruce
Appleton-Century-Crofts, 1979, $20.50

Imaging experts from different fields share their opinions on and their experience with imaging's major diagnostic procedures - nuclear medicine, ultrasound, and computed tomography.

CRC ATLAS OF SCINTIMAGING: NEW DIAGNOSTIC AID TO CLINICAL NUCLEAR MEDICINE

Wellman, Henry N. (Ed.)
Section I - Methodology And Interpretation
Section II - Printed Scintimages
CRC Press, Inc., 1979, $295.00 - both
Note: Section III listed under Chapter 6 - Audiovisuals.

CRC - Atlas of Scintimaging is designed for the practitioner of clinical nuclear medicine. In a convenient looseleaf binder, this coordinated three-section 8-volume set presents 500 documented clinical cases, their attendant scintimages (scintillation images) in printed and transparent formats for light box viewing. The Atlas covers a broad spectrum of scintimaging techniques for common and rare disease processes, offers a unique basis for comparative study, and is a valuable aid in diagnosis. It is a constructive tool for review and study for residency training and specialty board examinations.

Note: Description covers Sections I, II, III.

DIAGNOSTIC IMAGING IN RENAL DISEASE

Rosenfield, Arthur T.; Glickman, Morton; Hodson, C. John
Appleton-Century-Crofts, 1979, $35.50

Guides radiologists, nephrologists, and urologists in obtaining the appropriate modality for accurate diagnosis. Newer uroradiologic studies such as computerized tomography, grey scale ultrasound, and antegrade pyelography are explored in detail.

GALLIUM-67 IMAGING

Hoffer, Paul B.; Bekerman, Carlos; Henkin, Robert E.
John Wiley and Sons, Inc., 1978, $32.50

Text summarizes what is known of gallium imaging primarily using Ga-67 citrate.

GAMMA IMAGES IN BENIGN AND METABOLIC BONE DISEASES

Sy, Wilfrido M.
Vol. I. General Remarks and Considerations, 1980, $64.95
Vol II. Selected Endocrine Disorders, 1980, $64.95
CRC Press, Inc.

Discusses the use and applications of bone imaging in the evaluation of non-malignant and metabolic bone diseases.

LIVER SCANS, CLEARANCES, AND PERFUSIONS

Brucer, Marshall
Robert E. Krieger Publishing Company, Inc., 1977, $14.50

Review of the history of nuclear hepatology.

MEDICAL IMAGING TECHNIQUES, A COMPARISON

Preston, Kendall; Taylor, Kenneth; Johnson, Steven; Ayers, William (Eds.)
Plenum Publishing, 1979, $37.50

NONINVASIVE APPROACHES TO CARDIOVASCULAR DIAGNOSIS

Parisi, Alfred F.; Tow, Donald E.
Appleton-Century-Crofts, 1979, $14.95

Text discusses the relative merits and limitations of different approaches to the most commonly encountered forms of heart disease.

NONINVASIVE CARDIOVASCULAR DIAGNOSIS: CURRENT CONCEPTS
Diethrick, E.B. (Ed.)
University Park Press, 1978, $39.50

This volume is a report of the proceedings of the International Cardiovascular Congress.

NUCLEAR CARDIOLOGY
Willerson, James, T.
F.A. Davis Company, 1979, $35.00

NUCLEAR CARDIOLOGY CLINICAL APPLICATIONS
Botvinick, Elias; Shames, David
Williams and Wilkins Company, 1979, $28.00

Problems in clinical cardiology appropriate for scintigraphic study are thoroughly discussed and illustrated by case studies and high quality scintigrams.

NUCLEAR CARDIOLOGY FOR CLINICIANS
Soin, J.S.; Brooks, H.L. (Eds.)
Futura Publishing Co., Inc., 1979, $34.50

NUCLEAR CARDIOLOGY: SELECTED COMPUTER ASPECTS
Bacharach, S.L.; Alpert N.M. et al.
Society of Nuclear Medicine, 1978, $15.00

20 papers covering: Gated Equilibrium and First-Pass Techniques; Thallium-201 Image Processing and Display; and Shunt Detection, Modeling and Special Techniques.

NUCLEAR MEDICINE IN UROLOGY AND NEPHROLOGY
O'Reilly, P.H.; Shields, R.A.; Testa, H.J.
Butterworths Publishing, Inc., 1979, $44.95.

Provides a concise yet comprehensive presentation of nuclear medicine and how it applies to urology and nephrology. It is intended as an aid to clinical practice. The book demonstrates the nuclear techniques, their performance, and interpretation.

NUCLEAR OPHTHALMOLOGY
O'Rourke, James
W.B. Saunders Company, 1976, $27.00

Dynamic function studies in intraocular disease.

PRACTICAL ATLAS OF CARDIAC SCINTIGRAPHY
de Vernejoul, Pierre et al.
C.V. Mosby Company, 1977, $60.00

PRACTICAL NUCLEAR CARDIOLOGY
Sprengelmeyer, James; Weisberger, Calvin
Harper and Row Publishers, 1979, $30.00

Offers guidance in selecting, performing, and interpreting the findings of the modern, low risk technology of nuclide cardiographic studies. It is divided into three major sections - Part 1: Nuclear Cardiologic Technique; Part 2: Interpretation of the Nuclide Cardiogram; Part 3: Clinical Nuclear Cardiology.

PRINCIPLES OF CARDIOVASCULAR NUCLEAR MEDICINE
Holman, Leonard; Sonnenblick, Edmund; Lesch, Michael
Grune and Stratton, Inc., 1978, $26.50

Contents include topics such as radionuclide detection, gated cardiac blood-pool scan, and physics and instrumentation.

RADIONUCLIDE IMAGING ARTIFACTS
Wells, L. David; Bernier, Donald R.
Year Book Medical Publishers, 1980, $14.75

Provides nuclear medicine health care workers with an awareness of the many factors which affect radionuclide imaging. The text contains a collection of unusual imaging artifacts, valuable in an educational, academic and practical nuclear medicine environment.

RADIONUCLIDE STUDIES OF THE GASTROINTESTINAL SYSTEM
Freeman, Leonard, M.; Blaufox, M. Donald (Ed.)
Grune and Stratton, Inc., 1973, $37.25

RADIONUCLIDE STUDIES OF THE GENITOURINARY SYSTEM
Freeman, Leonard, M.; Blaufox, M. Donald
Grune and Stratton, Inc., 1975, $29.75

RADIONUCLIDE STUDIES OF THE SPLEEN
Spencer, Richard P.; Pearson, Howard A.
CRC Press, Inc., 1975, $47.95

An account of how recent advances in nuclear medicine have improved diagnosis and assessment of diseases affecting the spleen.

RENAL UPTAKE OF RADIOACTIVE MERCURY ($^{197}HgCl_2$): METHODS FOR TESTING THE FUNCTIONAL VALUE OF EACH KIDNEY, TECHNIQUE-RESULTS-AND CLINICAL APPLICATION IN UROLOGY AND NEPHROLOGY
Raynaud, Claude
Charles C. Thomas, Publisher, 1976, $29.00

Introduces and evaluates a new method for study of the relative function of each kidney, namely, the use of ionic mercury uptake.

SCINTILLATION CAMERA LUNG IMAGING - AN ANATOMIC ATLAS AND GUIDE
Mandell, Charles H.
Grune and Stratton, Inc. 1976, $42.50

Atlas intended to serve as a guide to radionuclide lung scan anatomy and interpretation. It sets forth basic principles of scan interpretation and illustrates a variety of pathologic entities which may appear in lung scan practice.

STRESS TESTING: PRINCIPLES AND PRACTICE
Ellestad, Myrvin H.
F.A. Davis Company, (2nd Ed.), 1980, $30.00

Gives practical help in the performance of exercise stress testing. Completely updated to reflect new developments and current thinking.

THALLIUM-201 MYOCARDIAL IMAGING
Ritchie, James L.; Hamilton, Glen W.; Wackers, Fran J.
Raven Press Publishers, 1978, $17.00

Reviews the current knowledge of thallium-201 as an imaging agent, presents tested and practical techniques for its use, and examines indepth the relationships between this agent and the various types of cardiac disease.

TRACER METHODS FOR IN VIVO KINETICS: THEORY AND APPLICATIONS
Shipley, Reginald A.
Academic Press, 1972, $32.50

TUMOR LOCALIZATION WITH RADIOACTIVE AGENTS
Unipub, 1976, $12.00

Recommended to anyone interested in medical applications of radionuclide.

VENTILATION-PERFUSION DIAGNOSIS OF PULMONARY DISEASE-REFERENCE BOOK
New England Nuclear; booklet, 1980, no charge

B. AUDIOVISUALS

ADRENAL IMAGING
Thrall, James H.
Radiological Society of North America
35 mm slides, audio cassette, $95.00
Note: Also includes Radionuclide Studies Of The Liver, Spleen, And Pancreas.

The characteristics of radiopharmaceuticals, the technique, and dosimetry of adrenal imaging are discussed. Among the clinical applications are glucocorticoid excess states, aldosteronism, virilizing syndromes, and adrenal remnant detection. The normal, variations and abnormal adrenal scintiscan patterns are illustrated.

BONE IMAGING IN ONCOLOGY, A CLINICAL CASEBOOK: BONE IMAGING IN ORTHOPEDIC MEDICINE
New England Nuclear
35 mm slides, with pamphlet, 30 days free loan

BONE SCANNING
Marty, Raymond; Denney, John D.; McKamey, Michael
Medcom Products
35 mm slides with audio cassette, $115.00

Explores the expanding use of this diagnostic tool in clinical medicine, the various imaging devices available, and scanning techniques.

BRAIN SCAN EXAMINATION PROCEDURE
Cavendish, L.; Bent, P.
Nuclear Associates
35 mm film strip with audio cassette, Order No. 48-612, $35.00

This program is a step-by-step presentation of the selected brain anatomy and pathology topics that are critical to a complete understanding of the brain scan procedure.

CEREBROVASCULAR DISORDERS

Rosenthall, Leonard
Medcom Products
79-35 mm slides with audio cassette, $115.00

The author reviews the anatomy of cerebral circulation with emphasis on the detection of segmental areas of infarction by static brain scintigrams. He then goes on to discuss the contribution of dynamic radionuclide angiography and static imaging in ischemic and hemorrhagic cerebrovascular disease, as well as the detection of arteriovenous malformations and aneurysms.

CISTERNOGRAPHY

Staab, Edward V.
Radiological Society of North America
35 mm slides with audio cassette, $95.00
Note: Also includes Lung Imaging And Thrombosis Detection.

Nuclear medicine techniques for studying CSF dynamics include injection into the spinal subarachnoid space with serial images and semiquantitation of flow and injection into ventricles or shunts to determine patency and functional significance. Indications for these studies include assessment of demetia, CSF rhinorrhea and determination of shunt function. Techniques, image patterns, and correlation with pneumoencephalography and computed tomography are stressed.

CLINICAL BRAIN SCANNING

Patton, Dennis D.; Oaks, W. Allen
Medcom Products
100-35 mm slides with audio cassette, $115.00

Illustrates clinical applications of this imaging procedure. Technique, indications for use and differential diagnostic possibilities are incorporated.

CONGENITAL HEART DISEASE

Freedman, Gerald S.
Medcom Products
65-35 mm slides with audio cassette, $115.00

Basic concepts of the use of radionuclides in congenital heart disease are placed in perspective. Dr. Freedman explores techniques for analyzing the passage of nuclides through the cardiac chambers, including the generation of indicator dilution curves and the radionuclide angiocardiogram.

CRC ATLAS OF SCINTIMAGING: NEW DIAGNOSTIC AID TO CLINICAL NUCLEAR MEDICINE

Wellman, Henry N. (Ed.)
Section III - Scintimage Transparencies
CRC Press, Inc., $900.00

11x14 for easy lightbox viewing. Of particular use in residency training.
Note: Sections I and II listed under Chapter 6 - Publications.

DETECTION OF ACUTE MYOCARDIAL INFARCTION

Holman, B. Leonard
Society of Nuclear Medicine, New York address
35 mm slides, 1979, $55.00 SNM members, $75.00 nonmembers

DIAGNOSING PULMONARY EMBOLISM, VENTILATION/PERFUSION IMAGING
New England Nuclear
35 mm slides with pamphlet, 30 days free loan

DIAGNOSTIC TECHNIQUES IN CORONARY HEART DISEASE
Coodley, Eugene L.
Medcom Products
63-35 mm slides with audio cassette, $80.00

This program examines the various techniques available for the detection of coronary heart disease. These range from clinical features, presence of risk factors, and character of pain to laboratory and radiographic techniques such as enzyme analysis, exercise testing and isotope imaging. Since it is often difficult to know which tests to perform on which patients and in what sequence, the author suggests a possible flow based upon his years of experience.

DYNAMIC BRAIN IMAGING
Hoffer, P.; Gottschalk, A.; Quinn, J.L., III; Henkin, R.
Society of Nuclear Medicine, New York address
35 mm slides with audio, $55.00 SNM members, $75.00 nonmembers

DYNAMIC RENAL STUDIES
Polcyn, Robert
Society of Nuclear Medicine, New York address
35 mm slides with audio, $55.00 SNM members, $75.00 nonmembers

EVALUATION OF LIVER DISEASE
Johnson, Philip M.
Medcom Products
80-35 mm slides with audio cassette, $115.00

In this program, the author presents a review of the vascular and biliary tract anatomy of the liver. Discussion of the various hepatic physiologic functions is correlated with the manner in which several radiopharmaceuticals localize in and help to visualize the liver.

EVALUATION OF THYROID DISEASES USING RADIONUCLIDES
Maynard, C. Douglas; Cowan, Robert F.
Radiological Society of North America
Refresher Course, Order No. RSR 5016
35 mm slides with audio cassette, $95.00

This course deals in detail with the major radionuclide diagnostic tests suitable for evaluation of the patient with suspected thyroid pathology. Topics include thyroid imaging procedures; thyroid uptake studies, including modifications of suppression, stimulation, and perchlorate discard; and standard serum assay determination.

GALLIUM IMAGING
Weiss, S.; Conway, James J.
Society of Nuclear Medicine, Chicago address
Educational Program - slide tape format, $50.00 SNM members, $60.00 nonmembers

Provides a review of the properties of Gallium-67 as well as a discussion of imaging techniques and instrumentation requirements.

GALLIUM-67 CITRATE IN INFLAMMATORY DISEASE
Henkin, Robert E.
Radiological Society of North America
35 mm slides with audio cassette, $95.00
Note: Also includes Tumor Imaging.

The applications of Gallium-67 Citrate to studies of inflammatory disease are discussed. Specific topics covered will be the time of scanning post injection with respect to inflammatory disease; the choice of instrumentation for the critically ill patient; and special techniques that may be helpful in inflammatory disease.

GALLIUM-67 CITRATE SCANNING
Hoffer, Paul B.; Henkin, Robert E.
Radiological Society of North America
Refresher Course, Order No. RSR 5416
35 mm slides with audio cassette, $95.00

This course includes a complete discussion of optimal techniques for imaging with Ga-67 citrate, description of normal variants, and a review of clinical application which include malignant lymphomas (including Hodgkin's disease), hepatic mass differentiation, detection of occult inflammatory lesions, detection of pulmonary malignancies, and detection of brain lesions.

GALLIUM-67 IMAGING IN CLINICAL MEDICINE, GALLIUM CITRATE GA-67: NUCLEAR DEPARTMENT DIAGNOSING POSTOPERATIVE SEPSIS
New England Nuclear
35 mm slides with pamphlet, 30 days free loan

GATED BLOOD POOL IMAGING
Spies, Stewart M.
Society of Nuclear Medicine, Chicago address
35 mm slides with audio, $50.00 SNM member, $60.00 nonmembers

This audiovisual overviews the protocol for performing gated blood pool imaging, including computer setup and data analysis.

INSTRUMENTATION FOR CARDIOVASCULAR NUCLEAR MEDICINE
Silverstein, Edward A.
Society of Nuclear Medicine, Chicago address
35 mm slides with audio, $50.00 SNM members, $60.00 nonmembers

The Anger camera, gating devices, microcomputers and minicomputers, multicrystal cameras, various collimators and probes systems are discussed in the audiovisual and their applications to nuclear cardiology are delineated.

INTRACARDIAC SHUNTS AND CARDIAC OUTPUTS
Ashburn, William
Society of Nuclear Medicine, New York address
35 mm slides with audio, 1979, $55.00 SNM members, $75.00 nonmembers

INTRODUCTION TO CARDIOVASCULAR NUCLEAR MEDICINE
Spies, Stewart M.
Society of Nuclear Medicine, Chicago address
Educational Program, slide-tape-format, $50.00 SNM membes, $60.00 nonmembers

This audiovisual program provides the viewer with a basic introduction to cardiovascular nuclear medicine including radiopharmaceuticals, imaging techniques and instrumentation. A brief review of the anatomy and physiology of the heart in both the abnormal and normal states is also provided by the lecturer.

INTRODUCTORY MINI COURSE IN CARDIAC NUCLEAR MEDICINE
Technicare Corporation
One hour 3/4" video tape plus 10 copies of printed material, $75.00

LIVER SCANNING
Gottschalk, Alex; DeNardo, Gerald L.; Berg, Ben C.
Radiological Society of North America
Refresher Course, Order No. RSR 5615
35 mm slides with audio cassette, $95.00

This course discusses three aspects of hepatic nuclear medicine: (1) normal anatomy and anatomic variations; (2) the techniques and interpretation of radionuclide hepatic scintiangiography; (3) the place of nuclear medicine in acute trauma of the upper abdomen, with emphasis on the liver.

LUNG IMAGING
Alderson, Philip O.
Radiological Society of North America
Refresher Course, Order No. 7209
35 mm slides with audio cassette, $95.00
Note: Also includes Cisternography And Thrombosis Detection.

This presentation reviews the role of radionuclide imaging in evaluating pulmonary disease in adults and children. Ventilation-perfusion (V-P) imaging is useful for evaluating the obstructive lung diseases of childhood (cystic fibrosis, asthma) as well as the pulmonary changes which occur in children with congenital heart disease. The most important role of V-P imaging is the evaluation of patients with suspected pulmonary emboli (PE).

LUNG IMAGING
Alazraki, Naomi P.
Society of Nuclear Medicine, New York address
35 mm slides with audio, $55.00 SNM members, $75.00 nonmembers

LUNG SCANNING
Secker-Walker, Roger H.; Siegel, Barry A.
Medcom Products
100-35 mm slides with audio cassette, $115.00

This series reviews current clinical applications of both ventilation and perfusion lung scanning. To demonstrate scanning techniques, slides exemplify such diseases as pulmonary embolism, obstructive lung disease, bronchogenic carcinoma, pneumonitis and pneumonconiosis, pleural disease and congenital and acquired heart disease.

LUNG SCANNING AND GAMMA CAMERA STUDIES USING 131 I-MAA AND 133Xe
Freedman, Gerald; Blau, Jeffrey
Micro X-Ray Recorder, Inc.
40-35 mm slides, Order No. 1-4, $39.00

Presents the evaluation methods and clinical uses of Xenon scanning in pulmonary function. Describes surgical changes, emboli, hilar masses as well as combined lung-liver scans for subphrenic evaluation.

MEASUREMENT OF EJECTION FRACTION
Ashburn, William
Society of Nuclear Medicine, New York address
35 mm slides with audio, 1979, $55.00 SNM members, $75.00 nonmembers

MYOCARDIAL NUCLEAR IMAGING: THALLIUM AND ^{201}THALLIUM AND ^{99m}Tc PYROPHOSPHATE

Turner, David; Gryniewicz, Deborah
Society of Nuclear Medicine, Chicago address
35 mm slides with audio, $50.00 SNM members, $60.00 nonmembers

This audiovisual presents a discussion of the physiological basis of perfusion imaging with ^{201}Thallium and ^{99m}Tc Pyrophosphate. Various techniques of rest and stress imaging are reviewed and the audience is introduced to the concept of tomographic imaging with the seven pin hole collimator.

NUCLEAR CARDIOLOGY

Sprengelmeyer, James; Weisberger, Calvin
Medcom Products

Part 1: Nuclear Myocardiography
59-35 mm slides with audio cassette, $80.00

This initial series segment offers a practical guide to nuclear cardiology designed specifically for the practicing clinician who is not utilizing these diagnostic techniques. Radioisotope imaging is a safe and accurate aid in the diagnosis and management of patients with coronary heart disease. Part 1 presents the use of thallium stress myocardial imaging in the diagnosis of regional ischemia and technetium pyrophosphate in acute myocardial infarction.

Part 2: Nuclear Angiocardiography In Congenital And Valvular Heart Disease
60-35 mm slides with audio cassette, $80.00

In this second part of the series, Drs. Sprengelmeyer and Weisberger concentrate their discussion on single-pass nuclear angiocardiography. The procedure is presented both as an individual technique and as an information source supplemental to thallium and prophosphate myocardiographic imaging, as discussed in Part I and to multiple-gated imaging, as discussed in Part III.

Part 3: Nuclear Angiocardiography In Coronary And Myocardiopathic Heart Disease And Aortic Aneurysm
57-35 mm slides with audio cassette, $80.00

The concluding part of the series on nuclear cardiology extends and expands the authors' initial discussions of multiple-gated imaging and cardiac pool anatomy, and relates them to the single-pass angiocardiographic techniques presented in Part II. Highlighted in this section are ejection fraction determination and volume curve analysis, two valuable measures of ventricular function that present nuclear angiocardiography from a physiologic perspective.

NUCLEAR CARDIOLOGY

Strauss, H. William; Holman, B. Leonard
Radiological Society of North America
35 mm slides with audio cassette, $95.00

This program illustrates the principles of radiopharmaceutical distribution for myocardial perfusion, infarct imaging, and blood pool imaging. The technical aspects of cardiovascular imaging requires a knowledge of camera and computer choice, setup, and patient positioning. Various clinical applications include the study of suspected ischemia or infarction, chemotherapeutic effects and conditions producing shortness of breath.

NUCLEAR MEDICINE: THE LIVER - A SLIDE PRESENTATION
Wagner, Strauss et al.
W.B. Saunders Company
65-35 mm slides, Order No. 9873-5, $70.00

PERFUSION STUDIES OF THE ISCHEMIC HEART
Hamilton, Glen W.
Society of Nuclear Medicine, New York address
35 mm slides with audio, 1979, $55.00 SNM members, $75.00 nonmembers

PULMONARY DISEASE EVALUATION
Wellman, Henry N.
Medcom Products
78-35 mm slides with audio cassette, $115.00

The roles or macroaggregated albumin and microsphere perfusion studies in embolic disease are elucidated and correlated with pulmonary angiography. Also explored is this extension of these perfusion studies to chronic obstructive pulmonary disease, neoplasms, and other nonembolic problems. Through use of multiple illustrative cases, the useful role of radioxenon ventilatory studies in making the overall evaluation more sensitive and specific is documented.

RADIOLOGICAL AND RADIOISOTOPE DIAGNOSES OF PERIHEPATIC ABSCESSES
Sanders, R.C.; Sanford, D.; James, A. Everette
Radiological Society of North America, Scientific Exhibit
35 mm slides with audio cassette, $35.00

With the increased use of antibiotics, abscesses around the liver have become more difficult to diagnose. Techniques available for radiological and isotopic diagnosis of such abcesses are illustrated in this exhibit.

RADIONUCLIDE ANGIOGRAPHY
Blaufox, M. Donald; Freeman, Leonard M.
Medcom Products
85-35 mm slides with audio cassette, $115.00

This program introduces the clinical applications and advantages of radionuclide angiography. Dozens of drawings, photographs, dynamic studies, and angiograms are used to explain fundamentals and describe use of radionuclide angiography in such cases as aortic aneurysm, atherosclerosis, thrombus, pericardial effusion, avascular lesion, great vessel abnormalities, peripheral vascular problems, subdural hematoma, and hepatoma.

RADIONUCLIDE BRAIN IMAGING
Siegel, Barry A.
Radiological Society of North America
Refresher Course, Order No. RSR 5716
35 mm slides with audio cassette, $95.00

This course reviews the current status of radionuclide brain imaging. Specific emphasis is placed on the characteristics of the normal blood-brain barrier, the pathophysiology of the abnormal brain image, diagnostic results of static and dynamic brain imaging tumors, inflammatory disorders, and cerebrovascular disease.

RADIONUCLIDE CISTERNOGRAPHY IN ADULT HYDROCEPHALUS
Harbert, John
Society of Nuclear Medicine, New York address
35 mm slides with audio, $55.00 SNM members, $75.00 nonmembers

RADIONUCLIDE EVALUATION OF SPLENIC DISEASE AND FUNCTION

Freedman, Gerald; Spencer, R.P.; Weinraub, J.
Micro X-Ray Recorder, Inc.
44-35 mm slides, Order No. 1-5, $39.00

This program thoroughly describes the anatomy, embryology, and radioisotopes in the evaluation of the spleen. Studies are made of common diseases involving the spleen.

RADIONUCLIDE EVALUATION OF THYROID FUNCTION AND PATHOLOGY

Freedman, Gerald S.; Langarten, Steven; Effman, Eric
Micro X-Ray Recorder, Inc.
44-35 mm slides, Order No 1-6, $39.00

A comprehensive slide series laying out the basics for thyroid studies with radionuclides. Radioactive iodine uptake, TSH stimulation test, ^{131}I therapy for thyroid cancer are but a few highlights of this total presentation.

RADIONUCLIDE KIDNEY IMAGING

Rosenthall, Leonard
Radiological Society of North America
Refresher Course, Order No. RSR 5116
35 mm slides with audio cassette, $95.00

A survey of the various applications of the use of radionuclides in static and dynamic renal imaging are presented in this course. Technique, indications, differential diagnosis, pitfalls, and comparison to other available modalities of investigation are stressed.

RADIONUCLIDE STUDIES OF THE LIVER, SPLEEN AND PANCREAS

Freeman, Leonard M.
Radiological Society of North America
35 mm slides with audio cassette, $95.00
Note: Also includes Adrenal Imaging.

Although current instrumentation and radiopharmaceuticals allow considerably better images than in the past, the overall accuracy of detecting liver metastases remains at 80 percent. Specificity of detecting hepatic space occupying disease has been enhanced by additional nuclide studies which reveal the vascular and metabolic properties of the lesion. Selenium-75 selenomethionine pancreatic scintigraphy is best performed with an Anger camera. Interfering hepatic activity is best removed by electronic subtraction techniques.

RADIONUCLIDE THROMBOEMBOLOGRAPY

Russell, Sally; Henkin, Robert
Society of Nuclear Medicine, Chicago address
35 mm slides with audio, $50.00 SNM members, $60.00 nonmembers

This three part audiovisual presentation describes the step by step procedure for performing thromboembolography. The viewer is provided with a basic introduction to the technique for performing the study, injection techniques, and clinical indications for thromboembolography.

RADIOPHARMACEUTICALS FOR TUMOR AND ADRENAL SCANNING

Halpern, Samuel
Society of Nuclear Medicine, New York address
35 mm slides with audio, $55.00 SNM members, $75.00 nonmembers

RADIOPHARMACEUTICALS FOR LIVER, SPLEEN, BONE MARROW, AND BRAIN IMAGING

Chilton, Henry M.
Society of Nuclear Medicine, New York address
35 mm slides with audio, $55.00 SNM members, $75.00 nonmembers

RENAL FUNCTION EVALUATION

Blaufox, M. Donald
Medcom Products
73-35 mm slides with audio cassette, $115.00

This learning system describes basic concepts of the application of radionuclides in renal function testing. The author reviews radionuclides available for testing renal function, emphasizing their relative merits and disadvantages. There follows an examination of current techniques for measuring renal function with radionuclides, including single-injection clearances, the radionuclide renogram, and the radioisotope cystogram.

RENAL IMAGING

Blaufox, M. Donald
Radiological Society of North America
35 mm slides with audio cassette, $95.00
Note: Also includes Computer Applications In Nuclear Medicine.

A major impact has occurred in the field of renal imaging during the past several years with the introduction of several new imaging agents, including technetium labeled dimercaptosuccinic acid, glucoheptonate, and DTPA. Because of the introduction of these new agents, greater resolution of the renal anatomy is now possible with radionuclide imaging. This program attempts to define those areas of renal imaging which are helpful to the clinician and the relative usefulness and disadvantages of each of the newer imaging agents.

SKELETAL DISEASE EVALUATION

Charkes, N. David; Malmud, Leon
Medcom Products
75-35 mm slides with audio cassette, $115.00

In this review, Drs. Charkes and Malmud explore the most currently accepted biochemical basis for formation of bone crystal and the manner in which it participates in ion-exchange reactions. The program demonstrates for the practicing clinician many useful applications of bone imaging and provides a clinical perspective and an understanding of the physiologic basis for these tests.

SKELETAL IMAGING

O'Mara, Robert
Society of Nuclear Medicine, New York address
35 mm slides with audio, $55.00 SNM members, $75.00 nonmembers

SOME APPLICATIONS OF BRAIN SCANNING AND ANGIOGRAPHY

Mollihan, William V. et al.
Micro X-Ray Recorder, Inc.
71-35 mm slides, Order No. 8-6A, $49.00

SOME APPLICATIONS OF LIVER SCANNING
Freeman, Gerald S.; Youngberg, Arne
Micro X-Ray Recorder, Inc.
47-35 mm slides, Order No. 1-3, $39.00

A complete review of the examination of the liver demonstrating the use of radiopharmaceuticals; Technetium Sulphur Colloid, Gold-198 and I-131 Rose Bengal. Specific cases are explored from the normal through Metastatic Saracoma and Cirrhosis.

THALLUIM-201 MYOCARDIAL IMAGING DIAGNOSTIC VISUALIZATION OF THE ISCHEMIC MYOCARDIUM OPTIMIZING THALLUIM-201 IMAGING
New England Nuclear
35 mm slides with pamphlet, 30 days free loan

THROMBOSIS DETECTION
Coleman, R. Edward
Radiological Society of North America
35 mm slides with audio cassette, $95.00
Note: Also includes Cisternography and Lung Imaging.

This program presents current techniques for radionuclide evaluation of venous thrombosis with emphasis on the fibrinogen uptake test and radionuclide venography. The current status and future role of thrombus imaging with labeled fibrinogen, plasminogen, platelets, and urokinase are discussed.

THYROID SCANNING
Halpern, Samuel
Society of Nuclear Medicine, New York address
35 mm slides with audio, $55.00 SNM members, $75.00 nonmembers

THYROID UPTAKE TESTING
Charkes, N. David
Society of Nuclear Medicine, New York address
35 mm slides with audio, $55.00 SNM members, $75.00 nonmembers

TRANSIT CARDIOVASCULAR RADIONUCLIDE STUDIES
Pavel, Daniel G.; Balon, Ronnie
Society of Nuclear Medicine, Chicago address
35 mm slides with audio, $50.00 for SNM members, $60.00 for nonmembers

Camera techniques, probe techniques, and the relative merits of performing first pass studies are discussed in this audiovisual presentation.

TUMOR IMAGING
Hoffer, Paul B.
Radiological Society of North America
35 mm slides with audio cassettes, $95.00
Note: Also includes Gallium-67 Citrate In Inflammatory Disease.

Detection and staging of tumors with specific tumor localizing radionuclides is an effort characterized by great interest, much frustration, and limited success. The major categories of agents used for tumor localizing include, divalent and trivalent cations, such as Ga-67, tumor metabolites, such as I-131 radiolabeled tumor antibodies, radiolabeled nonspecific proteins, and radiolabeled pharmaceuticals. These agents are discussed from the point of view of current clinical status or future promise.

VENUS THROMBOSIS DETECTION

McKoveck, Loren P.; Weiss, Stephen G.
Society of Nuclear Medicine, Chicago address
Educational Program - slide tape format, $40.00 SNM members, $50.00 nonmembers

This protocol for detecting thrombosis with I-125 fibrinogen is delineated in this audiovisual. Data plotting and analysis are also reviewed.

VENTILATION-PERFUSION LUNG IMAGING IN PULMONARY EMBOLISM

Alderson, Philip O.
Radiological Society of North America
35 mm slides with audio cassette, $60.00

Dr. Alderson deals with the difficulty of diagnosing pulmonary embolism (PE). Pulmonary embolism (PE) represents a serious medical problem which is often difficult to diagnose. Current techniques using TC-99m--aggregate perfusion imaging with the gamma camera and correlation with radioactive gas or aerosol pulmonary ventilation has significantly improved the specificity and accuracy of radionuclide imaging for PE.

SELF-EVALUATION MINI COURSE (ADVANCED) IN CARDIAC NUCLEAR MEDICINE

Technicare Corporation
3/4" video tape, 1 hr. course, includes 10 copies of printed material, $75.00

7. DIAGNOSTIC IN VITRO

A. PUBLICATIONS

CLINICAL DIAGNOSIS AND MANAGEMENT BY LABORATORY METHODS
Henry, John Bernard
W.B. Saunders Company, 1979, $55.00

This new edition is completely and throughly reorganized to reflect the subdivision of duties and responsibilities in laboratory practice. The massive technology of clinical pathology is expanded as well as delineated, and the role of the physician in terms of laboratory medicine is also emphasized.

CLINICAL RADIOIMMUNOASSY -- STATE-OF-THE-ART
Travis, Jeffrey C.
Scientific Newsletters, Inc., 1980, $39.00

Compilation of the last 40 issues of Rx; RIA for Physicians with up to the minute updates in permanent book form. Covered are RIA tests for hormones, tumor markers, vitamins, etc.

DIAGNOSTIC ENDOCRINOLOGY
Cryer, Philip
Oxford University Press, Inc., (2nd Ed.), 1979, $12.95 cloth, $6.95 paper

A practical text on the use of laboratory tests for suspected endocrine or metabolic disorders that includes the pathophysiology and clinical features relevant to diagrams. For this 2nd edition, the text has been throughly updated with new material added on many topics.

FUNDAMENTALS OF RIA AND OTHER LIQUID ASSAYS - A PROGRAMMED TEXT
Travis, Jeffrey C.
Scientific Newsletters, Inc., 1977, $15.00

IN VITRO PROCEDURES WITH RADIOISOTOPES IN MEDICINE
Unipub, 1979, $38.00

A collection of technical papers which reviews the application of radioactive tracer techniques in the study of substances in vitro.

HANDBOOK OF RADIOIMMUNOASSAY
Abraham, G.E.
Marcel Dekker, Inc., 1977, $97.50

Gives extensive coverage - in separate chapters - to statistical evaluation of radioimmunoassay, instrumentation, and radiation safety in the performance of radioimmunoassay.

NUCLEAR MEDICINE: ENDOCRINOLOGY
Rothfeld, Benjamin
Lippincott/Harper, 1978, $43.50

Includes information on biochemistry, physiology, and clinical aspects of various endocrine organs. It includes chapters on the thyroid, adrenal, ovary, pancreas, hypothalamus, pituitary, and parathyroid. Additional chapters are used to cover in greater detail specific hormones of these organs.

NUCLEAR MEDICINE: HEPATOLINEAL
Rothfeld, Benjamin
Lippincott/Harper, 1980, $45.00

PRACTICAL RADIOIMMUNOASSY
Moss, A.J.; Dalrymple, Glenn V.; Boyd, Charles
C.V. Mosby Company, 1976, $14.95

Directed to both laboratory and radiologic personnel, this book introduces radioimmunoassay and radioassay procedures.

QUALITY CONTROL AND DATA ANALYSIS OF LIQUID ASSAY: RADIOIMMUNOASSAY, ENZYME, IMMUNOASSAY AND FLUOROIMMUNOASSAY - A PROGRAMMED TEXT
Rodgers, Richard C.
Scientific Newsletters, Inc., 1980, $30.00

Basic tools of data analysis, methods of quality control, automated methods etc. for RIA, enzyme and fluoroimmunoassay.

RADIOASSAY IN CLINICAL MEDICINE
Newton, W.T.; Donati, R.M.
Charles C. Thomas, Publisher, 1974, $15.25

RADIOIMMUNOASSAY
Freeman, Leonard M; Blaufox, M. Donald
Grune and Stratton, Inc., 1975, $29.75

RADIOIMMUNOASSAY AND RELATED PROCEDURES IN MEDICINE - 1977 INTERNATIONAL SYMPOSIUM
Unipub
Vol 1., 1978, $43.00; Vol.2, 1978, $40.00

The latest developments in radioimmunoassay and related procedures for the measurement of hormones, vitamins, drugs and other substances in the body fluids and tissues--above all in the blood--are discussed in these volumes.

RADIOIMMUNOASSAY AND RELATED TECHNIQUES - METHODOLOGY AND CLINICAL APPLICATIONS
Thorell, Jan I.; Larson, Steven M.
C.V. Mosby Company, 1978, $23.50

General survey of radioimmunoassay. Part I explores receptors, separation techniques, assay performance, quality control and equipment. Part II examines clinical tests for various applications.

UNDERSTANDING IMMUNOLOGY
Cunningham, A.J.
Academic Press, 1978, $25.00 cloth; $15.50 paperback

B. AUDIOVISUALS

DATA REDUCTION AND QUALITY CONTROL IN THE RIA LABORATORY

Leiva, W. et al.
Beckman Instruments, Inc.
45-35 mm slides with tape cassette, Order No. 91-000-93-01, 1978, $160.00

After a review of terminology and the antigen-antibody reaction, Q.C. parameters such as B_0/T and NSB are described and related to the dose response curve.

DIGOXIN ASSAY: LABORATORY AND CLINICAL ASPECTS

Finley, Paul R.
American Society of Clinical Pathologists
Video cassette with supplementary materials, $220.00 ASCP members, $275.00 nonmembers

INTRODUCTION TO RADIOIMMUNOASSAY

Frasier, C.H.
Beckman Instruments, Inc.
40-35 mm slides with tape cassette, Order No. 91-000-25-00, 1973, $130.00

A detailed examination of the principles underlying radioimmunoassay techniques.

IN VITRO THYROID TESTING

Becker, David V.; Hurley, James R.
Medcom Products
72-35 mm slides with audio cassette, $115.00

The authors begin with a discussion of normal thyroid function to facilitate comprehension of thyroid testing. Since protein binding is fundamental to an understanding of most in vitro tests, principles involved in competitive protein binding and isotope displacement tests are explored.

PRINCIPALS OF RADIOIMMUNOASSAY

Cawley, Leo P.
American Society of Clinical Pathologists

Part I - Discusses physical and chemical steps involved in radioimmunoassay, development of calibrating curves, and preparation of standards.

Part II - Discusses radioimmunoassay quality control procedures, data collection, and monitoring analysis as well as required safety rules.

Video cassette with supplementary materials
Each part - $220.00 ASCP members, $275.00 nonmembers

PRINCIPLES OF RADIOIMMUNOASSAY

Goldsmith, Stanley
Medcom Products
69-35 mm slides with audio cassette, $115.00

The radioimmunoassay program presents basic concepts, introduces the theory describing the interaction between a labeled or nonlabeled antigen and a suitable antibody, and includes techniques for preparing and evaluating radioimmunoassay systems. Methods of analysis and separation techniques for quantification of antibody bound and free antigen are described in detail.

PRINCIPLES OF RADIOIMMUNOASSAY
Leiva, W. et al.
Beckman Instruments, Inc.
47-35 mm color slides with audio, Order No. 91-000-93-00, $160.00

Gives basic steps in typical RIA procedure. Details antigens, radiolabeled antigens, and antibodies in terms of composition and test functions.

RADIOIMMUNOASSAY AND OTHER SATURATION ANALYSIS TECHNIQUES
Holmes, Richard
Society of Nuclear Medicine, New York address
35 mm slides with audio, $55.00 SNM members, $75.00 nonmembers

RADIOIMMUNOASSAY TECHNIQUES
Langan, John
Radiological Society of North America
Refresher Course, Order No. RSR 3314
35 mm slides with audio cassette, $95.00

This is a general introductory lecture on radioimmunoassay covering the theory behind the technique, the production and radioactive labeling of antigens and antibodies, and the unit steps performed in each assay.

RADIOISOTOPES IN THE CLINICAL LABORATORY
Trainer, Thomas D.; Howard, Phillip L.
American Society of Clinical Pathologists
35 mm slides, 1976, $70.00

Introduction to the rapidly expanding field of radioisotope counting.

8. PEDIATRIC NUCLEAR MEDICINE

A. PUBLICATIONS

ATLAS OF PEDIATRIC NUCLEAR MEDICINE
Alderson, P.O.; Gilday, D.L.; Wagner, H.N., Jr.
C.V. Mosby Company, 1978, $46.50

Graphic atlas which provides a broad overview of tracer procedures to use in evaluating pediatric clients.

CLINICAL PEDIATRIC ONCOLOGY
Sutow, Wataru, W.; Vietti, Teresa J.; Fernbach, Donald (Eds.)
C.V. Mosby Company, (2nd Ed.), 1977, $49.50

This work describes the signficant recent progress in the treatment of childhood cancer.

CURRENT DIAGNOSTIC PEDIATRICS, DIAGNOSTIC IMAGING OF THE KIDNEY AND URINARY TRACT IN CHILDREN
Chrispin, A.R.; Gordon, I.; Hall, C.; Metrewell, C.
Springer-Verlag, 1980, $66.00

ESSENTIALS OF PEDIATRIC CARDIOLOGY
Moller, James H.
F.A. Davis Company, (2nd Ed.), 1978, $9.95

This second, expanded edition retains the author's concise and systematic approach to diagnosis and management of cardiac problems in children. Dr. Moller has significantly expanded the diagnostic section, including the latest information on techniques such as echocardiography and angiography. The final chapter on management incorporates the author's extensive experience in dealing with the problems of the family as well as the pediatric cardiac patient, including a discussion of counseling, exercise, diet, followup care, and prophylactic treatment.

HANDBOOK OF PEDIATRIC CARDIOLOGY
Krovetz, J.
University Park Press, 1979, $37.50

NEURORADIOLOGY IN INFANTS AND CHILDREN
Harwood-Nash, Derik C. et al.
C.V. Mosby Company, 1976, $175.00 for 3 volumes

NUCLEAR MEDICINE IN CLINICAL PEDIATRICS
Handmaker, H.; Lowenstein, J.M. (Eds.)
Society of Nuclear Medicine, 1975, $25.00

Systematic review in an organ-by-organ fashion (including both imaging and function studies) of the application of nuclear medicine techniques to pediatric practice.

PEDIATRIC NUCLEAR MEDICINE
Freeman, Leonard M.; Blaufox, M. Donald
Grune and Stratton, Inc., 1975, $29.00

PEDIATRIC NUCLEAR MEDICINE
James, A.E.; Wagner, H.N., Jr.; Cooke, R.E. (Eds.)
W.B. Saunders Company, 1974, $35.00

PEDIATRIC ONCOLOGIC RADIOLOGY
Parker, Bruce R.; Castellina, Ronald A.
C.V. Mosby Company, 1977, $47.50

PERINATAL THYROID PHYSIOLOGY AND DISEASE
Fisher, Delbert A; Burrow, Gerard N.
Raven Press Publishers, 1975, $25.00

Discusses the diagnosis, successful treatment, and possible prevention of congenital hypothyroidism.

STRESS TESTING: PRINCIPLES AND PRACTICE
Ellestad, Myrvin H.
F.A. Davis Company, (2nd Ed.), 1980, $35.00

The new edition of this clear, logical text gives you practical help in the performance of exercise stress testing. Completely updated to reflect new developments and current thinking, the book provides much additional, significant information in new chapters on pediatric stress testing, nuclear cardiology, and stress testing and the asymptomatic patient.

B. AUDIOVISUALS

LIVER/SPLEEN G.U.
Conway, James J.
Radiological Society of North America
35 mm slides with audio cassette, $95.00
Note: Also includes Pediatric Nuclear Medicine: CNS - Bone.

This program highlights those childhood conditions involving oncologic (liver spleen and Ga-67) and urinary tract (renal imaging, renography, and nuclear cystography) studies that differ significantly from that encountered in adult practice. Meckel's diverticulum and testicular imaging techniques are briefly discussed.

ONCOLOGY
Conway, James J.
Radiological Society of North America
35 mm slides with audio cassette, $95.00

Cancer accounts for 14 percent of all mortalities in children and is the second leading cause of death next to accidents. Chemotherapy, radiotherapy, and surgery have significantly decreased the morbidity and mortality of children with neoplastic diseases. These facts have mandated that diagnostic imaging modalities have increased sensitivity and specificity to detect oncologic disorders. Nuclear medicine techniques, although very sensitive, are not specific. Therefore, they are important in the early detection of recurrent disease and in therapy management.

PEDIATRIC CARDIOLOGY - A TAPE/FILMSTRIP PRESENTATION
Schmidt; Khoury
W.B. Saunders Company
4 filmstrips; 2 tape cassettes, Order No. 9832-8, $75.00

PEDIATRIC NUCLEAR IMAGING
Gilday, David L.
Radiological Society of North America
35 mm slides with audio cassette, $95.00

This half of the pediatric nuclear medicine refresher course discusses the roles of first transit studies, Thallium-201 citrate myocardial perfusion images, and equilibrium gated studies in pediatric cardiology.

PEDIATRIC NUCLEAR MEDICINE: CNS-BONE
Gilday, David L.
Radiological Society of North America
35 mm slides with audio cassette, $95.00
Note: Also includes Liver/Spleen GU.

Bone
The differentiation of osteomyelitis from cellulitis or arthritis is important. It determines the length of intravenous antibiotic therapy. Detection and staging of Legg-Perthes disease can be done readily using pinhole magnification.

CNS
Complete brain imaging readily detects the presence of blood brain barrier disturbances secondary to neonatal asphyxia and is useful in prognosis. Inflammations of the brain (cerebritis, abcess, meningitis, and ventriculitis) are all readily identifiable.

PULMONARY PERFUSION DISTRIBUTION IN CONGENITAL HEART DISEASE
Conway, James J.; Muster, Alexander; Paul, Milton; Weiss, Susan
Radiological Society of North America, Scientific Exhibit
35 mm slides with audio cassette, $35.00

Unusual lung perfusion is common in congenital heart disease. A mechanism is proposed and characteristic distribution in valvar pulmonic stenosis, tetralogy of Fallot, and transposition of the great arteries are described.

9. RADIATION DETECTION AND INSTRUMENTATION

A. PUBLICATIONS

AUTOMATED INSTRUMENTATION FOR RADIOIMMUNOASSAY
Bowie, Lemuel, J.
CRC Press, Inc., 1980, $55.95

Describes and compares the capabilities, advantages, and disadvantages of various individual automated radioimmunoassay equipment presently on the market.

BASIC LIQUID SCINTILLATION COUNTING
Howard, Phillip L.
American Society of Clinical Pathologists, 1976, $9.00

Includes such topics as the beta decay process and the use of beta-emitting isotopes as labels of biological materials.

BASIC PRINCIPLES OF NUCLEAR COUNTING - A PROGRAMMED TEXT
Van Helman, Edith
Scientific Newsletters, Inc., 1975, $7.50

50 page booklet condenses Basic information - helps readers understand the language and implications of Nuclear Counting, Radioactivity, and Radioassay.

BIOLOGICAL APPLICATIONS OF LIQUID SCINTILLATION COUNTING
Kobayaki, Yutaka; Maudsley, David V.
Academic Press, 1974, $28.50

BIOMEDICAL INSTRUMENTATION AND MEASUREMENTS
Cromwell, Leslie et al.
Prentice Hall, Inc., (2nd Ed.), 1980, $21.95

Includes the physiological and technical data needed by anyone who designs, makes, selects or uses biomedical instruments or systems.

EXPERIMENTS IN NUCLEAR SCIENCE
Chase, Grafton; Rituper, Stephen; Sulcaski, John W.
Burgess Publishing Company, (2nd Ed.), 1971, $9.95

The experiments in this second edition were selected to give students the basic techniques and principles of using radioisotopes.

FOUNDATIONS OF PHYSIOLOGICAL INSTRUMENTATION: A SOURCE BOOK WITH EXPERIMENTS
Goldstein, Norman N.; Free, Michael J.
Charles C. Thomas, Publisher, 1979, $39.50

IMAGING ABILITY OF COLLIMATORS IN NUCLEAR MEDICINE
Bureau of Radiological Health
National Technical Information Service, PB 290 954/AS, 1978, $11.00, Supplement, PB 290 955/AS, 1978, $12.50

Contains supplementary collimator data for rectilinear scanners.

INSTRUMENTATION IN NUCLEAR MEDICINE
Hine, G.J.
Academic Press, Vol. I, 1967, $62.75, Vol.II, 1974, $62.00

LIQUID SCINTILLATION COUNTING. RECENT APPLICATIONS AND DEVELOPMENT, VOL. I - PHYSICAL ASPECTS
Peng, Chin-Tsu; Horrocks, Donald L.; Alpen, Edward L. (Eds.)
Academic Press, 1980, $27.50

LIQUID SCINTILLATION COUNTING. RECENT APPLICATIONS AND DEVELOPMENT. VOL.II - SAMPLE PREPARATION AND APPLICATIONS.
Peng, Chin-Tsu; Horrocks, Donald L.; Alpen, Edward L. (Eds.)
Academic Press, 1980, $32.00

LIQUID SCINTILLATION: SCIENCE AND TECHNOLOGY
Noujaim, A.A.; Ediss, C.; Weibe, L.J..
Academic Press, 1976, $27.50

MEASUREMENT OF LOW-LEVEL RADIOACTIVITY
ICRU Report No. 22
International Commission on Radiation Units, 1972, $9.50

MEASUREMENT OF THE PERFORMANCE PARAMETERS OF GAMMA CAMERAS
Bureau of Radiological Health
National Technical Information Service
Part I. PB-277-482/AS, 1977, $8.00
Part II. PB-301-041/AS, 1979, $8.00

MEDICAL INSTRUMENTATION AND ELECTRICAL SAFETY: THE VIEW FROM THE NURSING STATION
Hoenig, Stuart A.; Scott, Daphne H.
John Wiley and Sons, Inc., 1977, $15.95

An introductory text for nurses covering the electrical, operational, and safety principles of medical equipment.

NUCLEAR MEDICINE PHYSICS, INSTRUMENTATION AND AGENTS
Rollo, David F.
C.V. Mosby Company, 1977, $58.50

Provides a comprehensive yet easy to understand look at physical factors involved in nuclear imaging.

PHYSICS AND INSTRUMENTATION OF NUCLEAR MEDICINE
Sprawls, Perry
University Park Press, 1980, $19.95

Text includes many new illustrations to present key concepts, comprehensive coverage from basic nuclear structure to radioisotope image quality, and latest developments with emphasis on computer systems and cardiovascular nuclear medicine.

PRINCIPLES OF NUCLEAR RADIATION DETECTION
Eichholz, C.; Poston, J.
Ann Arbor Science, 1979, $29.95

PRINCIPLES OF NUCLEAR RADIATION DETECTION LABORATORY MANUAL
Eichholz, C.; Poston, J.
Ann Arbor Science, 1980, $14.95

RADIATION DETECTION AND MEASUREMENT
Knoll, Glenn F.
John Wiley and Sons, Inc., 1979, $33.95

RADIOACTIVITY AND ITS MEASUREMENT
Mann, W.; Ayres, R.; Garfinkel, S.
Pergamon Press, (2nd Ed.), 1980, $12.50

RADIONUCLIDE TECHNIQUES IN MEDICINE
McAlister, Joan
Cambridge University Press, 1980, $34.50 cloth; $10.95 paperback

Discusses techniques of measurement in nuclear medicine.

RADIOTRACER METHODOLOGY IN THE BIOLOGICAL, ENVIRONMENTAL, AND PHYSICAL SCIENCES
Wang, H.; Willis, D.L.; Loveland, W.D.
Prentice Hall, Inc., 1975, $23.95

SEMICONDUCTOR DETECTORS IN THE FUTURE OF NUCLEAR MEDICINE
Hoffer, P.B.; Beck, R.N.; Gottschalk, A. (Eds)
Society of Nuclear Medicine, 1971, $10.00

20 papers on: fundamentals of detector science and technology; use of semiconductor detectors for radioisotope imaging and counting; and fluorescent techniques.

SINGLE PHOTON EMISSION, COMPUTED TOMOGRAPHY AND OTHER SELECTED COMPUTER TOPICS
Price, R.R.; Gilday, D.L.; Croft, B.Y.; Sorenson, J.A. (Eds.)
Society of Nuclear Medicine, 1980, $29.50

An overview of single photon emission computed tomography and papers that describe and evaluate specific systems. Also: papers on the use of computers in the analysis of cardiac studies, data acquisition and storage methods, Anger camera evaluation, and whole-body counting. Proceedings of the 10th Annual Symposium of the Computer Council of the Society of Nuclear Medicine.

TOMOGRAPHIC IMAGING IN NUCLEAR MEDICINE
Freedman, G.S. (Ed.)
Society of Nuclear Medicine, 1973, $14.50

27 papers in the following topic areas: moving detector tomographic systems; camera-type tomographic systems; coincidence tomographic systems; other related methods; and tomography: clinical results.

B. AUDIOVISUALS

ASPECTS OF LIQUID SCINTILLATION COUNTING

Frasier, C.H.
Beckman Instruments, Inc.
32-35 mm slides with audio, Order No. 91-000-26-00, 1973, $130.00

Provides an overview of scintillation counting and its basic applications

EVALUATION OF IMAGING PERFORMANCE

Nusynowitz, Martin L.
Society of Nuclear Medicine, New York address
35 mm slides with audio, $55.00 SNM members, $75.00 nonmembers

FOCUSED COLLIMATORS

Witcofski, Richard L.
National Audiovisual Center
35 mm slide, sound program, Order No. 006776, 1973, $33.00

Provides the student with an understanding of the way that focused collimators are designed, and how they are chosen for a particular scanning procedure.

INSTRUMENTATION FOR CARDIOVASCULAR NUCLEAR MEDICINE

Silverstein, Edward A.
Society of Nuclear Medicine, Chicago address
35 mm slides with audio, $50.00 for SNM members, $60.00 nonmembers

The Anger camera, gating devices, microcomputers and minicomputers, multicrystal cameras, various collimators, and probes systems are discussed in this audiovisual and their applications to nuclear cardiology are delineated.

INSTRUMENTATION FOR HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

McNair, Harold M.
Savant Corporation
35 mm slide sound program, $175.00

Defines the components of HPLC system, describes the commonly used hardware and discusses the characteristics of each component.

INSTRUMENTATION FOR NUCLEAR CARDIOLOGY

Cradduck, Trevor D.
Society of Nuclear Medicine, New York address
35 mm slides with audio, 1979, $55.00 SNM members, $75.00 nonmembers

INTRODUCTION TO NUCLEAR IMAGING INSTRUMENTATION

Nuclear Associates
Part 1. - Order No. 48-607; Part II - Order No. 48-642
35 mm color slides with audio, each part $105.00

NUCLEAR IMAGING: FUNDAMENTALS AND QUALITY CONTROL
Harris, C. Craig
Radiological Society of North America
35 mm slides with audio cassette, $95.00
Note: Also includes Radiopharmaceuticals: Quality Control.

This Program focuses on the following areas:

I. Fundamentals of in vivo imaging
   A. Basic energy selective counting systems
   B. Rectilinear scanners
   C. Gamma scintillation cameras

II. Quality Control
   A. Proper conditions for performance of clinical studies
   B. Comprehensive evaluations
   C. Applicability of quality control results to evaluation of clinical studies

NUCLEAR IMAGING INSTRUMENTATION
Harris, C. Craig
Medcom Products
Part 1. 82-35 mm slides with audio cassette, $115.00
Part 2. 79-35 mm slides with audio cassette, $115.00

Part I presents an overview of the subject. The gamma photon is traced from its origin in the organ in which the radionuclide has been localized, through its interaction in the detector crystal, and subsequent electronic transformation into the scintillation image. The author then presents a review of the various types of collimation and the statistical considerations in imaging. The importance of careful instrument calibration and other aspects of quality control are also stressed in relation to an understanding of the physical factors responsible for converting a series of gamma events into an interpretable image.

Part II presents the viewer with greater detail and further discussion of the subjects introduced in Part I. Also included are measurements of sensitivity, resolution, field uniformity and nonlinear response as evidenced by losses at high count rates. The application of performance analysis to collimator evaluation is stressed.

OPERATION PRINCIPLES OF X-RAY MACHINES
Unit 9 - Equipment Conservation and Safety
Unit 10 - Survey of Radiation Detection Instruments
Nuclear Associates, Inc.
35 mm slides with audio cassette with student and instructor's manual
Order No. 48-719, $190.00 set

PREPARATION OF SAMPLES FOR LIQUID SCINTILLATION COUNTING
Horrocks, D.L.
Beckman Instruments, Inc.
93-35 mm slides with audio, Order No. 91-000-37-00, 1975, $145.00

Presents a detailed survey of common techniques and methods used to prepare samples for liquid scintillation counting.

PRINCIPLES OF GAMMA COUNTING
Horrocks, D.L.
Beckman Instruments, Inc.
53-35 mm slides with audio, Order No. 91-000-30-00, 1974, $145.00

A two-part program covering basic theories and principles of gamma counting.

RADIONUCLIDE GENERATORS VT-7002
Bureau of Radiological Health
3/4" video cassette, 1976
Training Resources Center (HFX-73), available for free loan. Order by title and number.

Describes how radionuclide generators provide nuclear medicine facilities with a local source of short-lived isotopes. Uses graphs, analogies, models, and actual scenes from a nuclear medicine facility to examine in detail the theory of isotope production in these generators. It includes a demonstration of generator elution and evaluate assay procedures and use of the isotope on a patient.

SCINTILLATION CAMERAS
Westerman, Bryan
Society of Nuclear Medicine, New York address
35 mm slides with audio, $55.00 SNM members, $75.00 nonmembers

SCINTILLATION SPECTROMETERS AND PULSE HEIGHT ANALYSIS
Zimmerman, Robert; Kaplan, William
Society of Nuclear Medicine, New York address
35 mm slides with audio, 1980, $55 SNM members, $75.00 nonmembers

THEORETICAL ASPECTS OF MEDICAL IMAGING SYSTEMS VT-7020
Bureau of Radiological Health
3/4" video cassette, 1977
Training Resources Center (HFX-73), available for free loan. Order by title and number.

Characterisitics of the medical imaging system. Contrast, noise, MTF, spatial frequency, etc. are discussed. Evolution of C.T. to present level of sophistication.

C. TRAINING AIDS

NUCLEAR ASSOCIATES, INC.
X-Ray and Gamma Instruments and Accessories
Prices available from manufacturer

10. MATHEMATICS AND COMPUTER SCIENCE

A. PUBLICATIONS

ADVANCED MATHEMATICAL METHODS FOR SCIENTISTS AND ENGINEERS
Bender, Carl; Orszag, Steven
McGraw-Hill Book Company, 1978, $29.95

Mathematical methods for obtaining approximate analytical solutions to differential and difference equations are presented. Also gives computer plots comparing exact and approximate answers.

BASIC BIOSTATISTICS FOR MEDICINE AND EPIDEMIOLOGY
Rimm, Alfred A. et al.
Appleton-Century-Crofts, 1980, $16.50

Text is intended to present the student with the essentials of biostatistics through a practical, experimental learning process designed to give them a firm grip on a few critical concepts.

BIOMEDICAL COMPUTING
Perkins, W.J.
University Park Press, 1977, $39.50

Presents a thorough appraisal of the current state of biomedical computing, an assessment of future trends, and evaluations of specific clinical applications of computer science.

BIOSTATISTICS FOR THE HEALTH PROFESSIONS
Lombard, Olive M.
Appleton-Century-Crofts, 1975, $12.95

A manual for those who wish to do research in the biological and medical fields. Lombard offers a clearly written, simplified explanation of biostatistics.

CALCULATIONS FOR THE MEDICAL LABORATORY
Remson, Susan; Achermann, P.G.
Little, Brown and Company, 1977, $7.95

This book covers in great detail all the aspects of mathematics for the student headed for a clinical laboratory profession.

COMPUTER AND MEDICAL CARE
Lindberg, Donald
Charles C. Thomas, Publisher, 1971, $16.25

COMPUTER METHODS - THE FUNDAMENTALS OF DIGITAL NUCLEAR MEDICINE
Lieberman, David E.
C.V. Mosby Company, 1977, $18.50

Contains sections on such topics as Hardware Considerations, Clinical Applications, and Practical Applications.

COMPUTER TECHNIQUES IN CARDIOLOGY
Cady, Lee D., Jr.
Marcel Dekker, Inc., 1979, $45.00

Offers in a single source a broad introduction to the principles, methods, and techniques employed in the application of computers to the field of cardiology.

COMPUTER TECHNIQUES IN RADIATION TRANSPORT AND DOSIMETRY
Nelson, W.R.; Jenkins, T.M. (Eds.)
Plenum Publishing, 1980, $55.00

COMPUTER TECHNOLOGY IN THE HEALTH SCIENCES
Sheris, David B.
Charles C. Thomas, Publisher, 1974, $13.75

COMPUTERS IN MEDICINE: AN INTRODUCTION
Enlander, Derek
C.V. Mosby Company, 1980, $12.95

Provides a basic understanding of computers and their applications in medical fields such as nuclear medicine technology.

COMPUTERS IN THE CLINICAL LABORATORY
Toren, E.C.; Eggert, A.A.
Marcel Dekker, Inc., 1978, $24.50

Designed to provide background information for those engaged in the purchase, operation or use of clinical laboratory computing systems or laboratory equipment containing computers.

FOURIER TRANSFORM AND ITS APPLICATIONS
Bracewell, Ronald N.
McGraw-Hill Book Company, (2nd Ed.), 1978, $27.95

A guide to the understanding and use of transform methods in important linear systems, this text applies the essential mathematics of Fourier theory to a diversity of fields.

FUNDAMENTAL MATHEMATICS
Wade, Thomas L.; Taylor, Howard E.
McGraw-Hill Book Company, (4th Ed.), 1974, $17.95

Freshman-level text leads from study of the basic structures of arithmetic and algebra to functions, graphs, logarithms, and elements of trigonometry and statistics.

HANDBOOK OF MATHEMATICAL SCIENCES
Beyer, William H.
CRC Press, Inc., 1978, $49.95

Subject matter of the handbook is divided into 14 major sections dealing with topics ranging from geometry and trigonometry through differential equations, special functions, and numerical methods.

HANDBOOK OF PHYSICAL CALCULATIONS
Tuma, Jan L.
McGraw-Hill Book Company, 1975, $21.50

Concise summary of major definitions, formulas, tables, and examples of elementary and intermediate technological physics for practicing engineers and technologists.

INTRODUCTION TO COMPUTER LOGIC
Nagle, H.T.; Carroll, B.D.; Irwin, J.D.
Prentice Hall, Inc., 1975, $24.95

MATHEMATICAL METHODS FOR PHYSICISTS
Arfken, George
Academic Press, (2nd Ed.), 1970, $24.50

Text which covers the advanced mathematical tools of graduate-level physics including differential equations, complex analysis, special functions, and vector and tensor methods.

MATHEMATICS FOR TECHNOLOGISTS IN RADIOLOGY, NUCLEAR MEDICINE, AND RADIATION THERAPY
Stefani, Stefano, S.; Hubbard, Lincoln B.
C.V. Mosby Company, 1979, $12.95

Provides problems and "worked examples" that explain fundamental mathematical principles used by the technologist every day.

MATHEMATICS OF RADIOLOGY AND NUCLEAR MEDICINE
Jackson, Herbert L.
Warren H. Green Publishers, Inc., 1971, $12.00

The author stresses arithmetic facility and graphical methods and has prepared the text so as to be almost completely self-explanatory and hence suitable for home study.

MEDICAL MATHEMATICS
Taylor, Thomas J.
Bobbs-Merrill Co., Inc., 1975, $4.55

Presents a progressive development of the mathematical skills needed by allied health personnel. Combines the conventional math approach with features of "New Math." Emphasis is on the special needs of technicians in the health fields.

MICROCOMPUTERS/MICROPROCESSORS: HARDWARE, SOFTWARE AND APPLICATIONS
Hilburn, J.F.; Julick, P.M.
Prentice Hall, Inc., 1976, $23.95

MICROPROCESSOR ARCHITECTURE AND PROGRAMMING
Leahy, W.F.
John Wiley and Sons, Inc., 1977, $24.50

NUCLEAR CARDIOLOGY: SELECTED COMPUTER ASPECTS
Bacharch, S.L.; Alpert, N.M.; Shames, D.M.; Sorenson, J.A. (Eds.)
Society of Nuclear Medicine, 1978, $15.00

20 papers covering: Gated Equilibrium and First-Pass Techniques; Thallium-201 Image Processing and Display; and Shunt Detection, Modeling and Special Techniques.

PRACTICAL MATHEMATICS IN ALLIED HEALTH
Waterhouse, Marion
Urban Schwartzenberg, 1979, $15.95

A textbook for the medical disciplines.

PRINCIPLES OF COMPILER DESIGN
Aho, A.V.; Ullman, J.D.
Addison-Wesley Publishing Co., Inc., 1977, $20.95

Designed for an introductory course in compiler design at the junior-senior level, this text integrates basic programming language concepts and computer design techniques.

PROGRAMMING FOR MINICOMPUTERS
Cluley, J.C.
Crane Russak and Company, Inc., 1978, $19.50

Intended as an introduction to assembly language programming for engineers and engineering students.

PROGRAMMING LANGUAGES: DESIGN AND IMPLEMENTATION
Pratt, T.W.
Prentice-Hall, Inc., 1975, $23.95

SINGLE PHOTON EMISSION COMPUTED TOMOGRAPHY AND OTHER SELECTED COMPUTER TOPICS
Price, R.R.; Gilday, D.L.; Croft, B.Y.; Sorenson, J.A. (Eds.)
Society of Nuclear Medicine, 1980, $29.50

An overview of single photon emission computed tomography and papers that describe and evaluate specific systems. Also: papers on the use of computers in the analysis of cardiac studies, data acquisition and storage methods, Anger camera evaluation, and whole-body counting.

STATISTICAL PRINCIPLES IN HEALTH CARE INFORMATION
Kilpatrick, S.
University Park Press, (2nd Ed.), 1977, $16.95

STATISTICS AND MATHEMATICS IN THE NUCLEAR MEDICINE LABORATORY
Prince, John R.; Schmidt, Lewis D.
American Society of Clinical Pathologists
Order No. D45-8-007-00, 1976, $18.00

Convenient review of elementary mathematics and statistics for students in nuclear medicine technology and clinicians entering the field from other specialty areas.

STATISTICS FOR THE BIOLOGICAL SCIENCES
Schefler, Wilham C.
Addison-Wesley Publishing Co., Inc., Order No. 07500, 1979, $13.95

Has simplicity of style as it develops an intuitive understanding of basic principles of applied statistics and experimental design.

STATISTICS, SELF TEACHING GUIDE
Koosis, Donald J.
John Wiley and Sons, Inc., (2nd Ed.), 1977, $5.95

STUDY GUIDE TO EPIDEMIOLOGY AND BIOSTATISTICS
Morton, R.
University Park Press, 1978, $8.95

TOPICS IN APPLIED PHYSICS - VOL. 32. - IMAGE RECONSTRUCTION FROM PROJECTIONS
Herman, G.T.
Springer-Verlag, 1979, $49.00

The book explains how to reconstruct images by complicated methods and how to apply these methods to problems from medicine and physics.

B. AUDIOVISUALS

COMPUTER APPLICATIONS IN NUCLEAR MEDICINE
Shames, David M.
Radiological Society of North America
35 mm slides with audio cassette, $95.00
Note: Also includes Renal Imaging.

While a great many applications of the computer in nuclear medicine have been reported in the literature, few have been accepted as universally useful. This presentation highlights those dynamic and static image applications which have proved useful in our laboratory. Emphasis will be placed on nuclear cardiology and renal function studies. The impact of newer computer technology is also discussed.

INTRODUCTION TO COMPUTERS
Polcyn, Robert E.
Society of Nuclear Medicine, Chicago address
Educational Program - slide tape format, $50.00 SNM members, $60.00 nonmembers

This audiovisual provides the viewer with an introduction to computer design, function, and operation. Some computer terminology is also defined.

MULTIGATED ACQUISITION (MUGA) FOR CARDIAC ANALYSIS
Henkin, Robert E.; Hales, David et al.
Radiological Society of North America
Scientific Exhibit
35 mm slides with audio cassette $35.00

PRACTICAL STATISTICS

Beckman Instruments, Inc.

68-35 mm slides/sound & transcript, Order No. 91-000-80-00, $145.00

Discusses sampling technique, graphic presentation of data, systematic and random errors, accuracy, and precision.

11. RADIOCHEMISTRY AND RADIOPHARMACY

A. PUBLICATIONS

BASIC BIOCHEMISTRY FOR MEDICAL STUDENTS
Campbell, P.N.; Kelley, B.A.
Academic Press, 1975, $19.50

BASIC CHEMISTRY FOR THE LIFE SCIENCES
Helmprecht, H.L.; Friedman, L.T.
McGraw-Hill Book Company, 1976, $19.95

An introductory chemistry text for students in the applied life sciences. The book uses a simple, nonmathematical approach. It explains various principles and concepts through description and intuitive reasoning.

BASICS OF RADIOPHARMACY
Rhodes, Buck A.; Croft, Barbara Y.
C.V. Mosby Company, 1978, $17.95

Covers the elements of pharmacy, radiochemistry, health physics, analytical chemistry, pharmacology, economics, and the civil regulations needed in this multi-disciplinary field.

BIOCHEMISTRY
Friedman, Paul Jay
Little, Brown and Company, 1977, $9.95

Carefully designed review book in medical biochemistry for medical students and clinicians. It explains the relationship of biochemical reactions to specific organs and diseases.

BIOCHEMISTRY (CONCISE MEDICAL TEXTBOOK)
Datta, S.P.; Ottaway, J.H.
Macmillan Publishing Co. Inc., (3rd Ed.), 1976, $17.50

A concise yet comprehensive account of biochemistry. This edition gives greater coverage of protein and nucleic acid synthesis.

BIOCHEMISTRY FOR MEDICAL SCIENCES
Danishefsky, Isidore
Little, Brown and Company, 1980, $22.95

Describes basic biochemical reactions and their relationships with intermediary metabolism as well as with the metabolism of the whole organism.

BIOCHEMISTRY: THE MECHANISMS OF METABOLISM
Cunningham, Earlene Brown
McGraw-Hill Book Company, 1977, $26.95

Reaction mechanisms are used as the basis for perceiving and understanding the biochemical process. The book shows the relationship between organic chemistry and biochemistry.

BIOCHEMISTRY - SELF-ASSESSMENT AND REVIEW, PRETEST SERVICE, INC.
McGraw-Hill Book Company, (2nd Ed.), 1979, $9.50

Provides material for the reader to use in self-assessment and review on all aspects of biochemistry.

CHEMICAL ELEMENTS AND MAN: MEASUREMENTS, PERSPECTIVES, APPLICATIONS
Hamilton, E.I.
Charles C. Thomas, Publisher, 1979, $43.75

Data describes the distribution of chemical elements in man and identifies major routes of entry.

CHEMISTRY OF RADIOPHARMACEUTICALS
Heindel, N.D.; Burns, H.D.; Honda, T.; Brady, L.W. (Eds.)
Masson Publishing USA, Inc., 1978, $37.75

Chapters follow an ordered sequence considering radiopharmaceutical localization, design, quality control, pharmacology and preclinical evaluation, and Federal regulations in which clinical evaluations are briefly discussed.

DEVELOPING ROLE OF SHORT-LIVED RADIONUCLIDES IN NUCLEAR MEDICINE
Bureau of Radiological Health
Superintendent of Documents, U.S. Government Printing Office
No. 017-015-00139-3, 1977, $2.00

FUNDAMENTALS OF NUCLEAR PHARMACY
Saha, Gopal B.
Springer-Verlag, 1979, $19.90

Provides the essentials of nuclear pharmacy in a clear, organized fashion that ensures comprehension. A basic textbook for pharmacy and nuc'ear medicine technology students.

HANDBOOK OF CHEMISTRY AND PHYSICS
Weast, Robert (Ed.)
CRC Press, Inc., (61st Ed.), 1980, $57.95

Tabulated data on a wide range of material in chemistry and physics.

HEALTH SCIENCES CHEMISTRY
Shugar, Gershon; Shugar, Ronald A. et al.
F.A. Davis Company, 1978, $16.50

HUMAN BIOCHEMISTRY
Orten, James M.; Neuhaus, Otto W.
C.V. Mosby Company, 1975, $23.95

Covers biochemical characteristics of living matter and cell morphology, chemical principles, chemistry of biological materials, physiochemical phenomena, and methodology.

INTRODUCTION TO BIOINORGANIC CHEMISTRY
Williams, David R. et al.
Charles C. Thomas, Publisher, 1976, $31.00

Multiauthored, interdisciplinary work was designed to provide students in inorganic chemistry, biochemistry and medicine with an introduction to the field of metal ions in biological systems.

INTRODUCTION TO THE CHEMISTRY OF LIFE: BIOCHEMISTRY
DeBey, Harold J.
Addison-Wesley Publishing Co., Inc., (2nd Ed.), Order No. 01474, 1976, $8.50

This introductory text presents a straightforward, topical survey of the major concepts of biochemistry. It is particularly well-suited for students of nursing and allied health science.

NUCLEAR MEDICINE PHYSICS, INSTRUMENTATION AND AGENTS
Rollo, David F.
C.V. Mosby Company, 1977, $58.50

Provides a comprehensive yet easy to understand look at physical factors involved in nuclear imaging.

PRACTICAL NUCLEAR PHARMACY
Tran, Phan The; Wasnich, Richard
Banyan Enterprises, 1979, $7.95

Concise, simplified nuclear pharmacy for the technologist and physician in nuclear medicine.

PRINCIPLES OF RADIOPHARMACOLOGY
Colombetti, Lelio (Ed.)
CRC Press, Inc.

Volume 1. Part I: Radiopharmacology Techniques
Part II: Radiotracer Design, 1979, $69.95

Volume 2. Part III: Basic Radiotracer and Receptor Properties
Part IV: Biological Transport of Radiotracers, 1979, $64.95

Volume 3. Part V: Mechanisms of Localization of Radiotracers, 1979, $74.95

A 3-volume work which provides discussion of research in this area by 46 experts in pharmacology, nuclear medicine, chemistry, biology, and laboratory animal science.

RADIATION PHYSICS AND CHEMISTRY OF POLYMERS
Makhlis, Arkad
John Wiley and Sons, Inc., 1975, $44.95

RADIOISOTOPE PRODUCTION AND QUALITY CONTROL
Unipub, 1971, $50.00

A technical manual providing guidelines for the selection of the appropriate methodology for the production, processing, dispensing, and quality control of radioisotopes for medical use. Covers: reactor-, generator-, and accelerator-produced radioisotopes; labeled compounds; radiopharmaceutical applications; and special techniques.

RADIOPHARMACEUTICALS
Subramanian, G.; Rhodes, B.A.; Cooper, J.F.; Sodd, V.J. (Eds.)
Society of Nuclear Medicine, 1975, $32.50

55 papers from the First International Symposium on Radiopharmaceuticals. Topics covered include: Basic Concepts; Technetium; Indium; Halogens; Cyclotron Products; Quality Control; Lung; Bone, Bone Marrow, and RES; Heart; Kidney; Cisternography; Tumors; and Fibrinogen and Thromboembolism.

RADIOPHARMACEUTICALS AND OTHER COMPOUNDS LABELLED WITH SHORT-LIVED RADIONUCLIDES
Welch, M.J.; Mallinckrodt, Edward
Pergamon Press, 1978, $32.00

Contains such information as potentials and problems of short-lived radionuclides in medical imaging applications and the preparation of Fluorine-18 labelled radiopharmaceuticals.

RADIOPHARMACEUTICALS II: PROCEEDINGS OF THE 2ND INTERNATIONAL SYMPOSIUM ON RADIOPHARMACEUTICALS
Sodd, V.J.; Hoogland, D.R.; Allen, D.R.; Ice, R.D.; Sorenson, J.A. (Eds.)
Society of Nuclear Medicine, 1979, $42.50

867 pages, with chapters on: Quality Control; Organic and Inorganic Radiopharmaceuticals; Functional Imaging; RIA; Oncology; Hematology; Pharmacokinetics; Renal; Cardiopulmonary; RES/Biliary; Thyroid; Pancreas, Prostate, and Adrenals; Radionuclide Production.

RADIOPHARMACY
Tubis, M.; Wolf, W. (Eds.)
John Wiley and Sons, Inc., 1976, $68.50

RADIOPHARMACY LABORATORY MANUAL FOR NUCLEAR MEDICINE TECHNOLOGISTS
Friedman, Blair
University of New Mexico Radiopharmacy, 1980, $11.00

TEXTBOOK OF PHYSIOLOGY AND BIOCHEMISTRY
Bell, George H. et al.
Churchill Livingstone Inc., 1980, $30.00

Provides an integrated account of physiology and biochemistry with particular emphasis on those aspects which are relevant to medical students and other students of human biology.

B. AUDIOVISUALS

COLUMN SELECTION IN HIGH PERFORMANCE LIQUID CHROMATOGRAPHY
McNair, Harold M.
Savant Corporation
35 mm slides with audio cassette, $175.00

Various types of column packings suitable for absorption, partition, ion exchange, and size exclusion chromatography are detailed. The function of reverse phase and bonded packings are explained. Selection of columns is amply illustrated with real chromatograms.

INSTRUMENTATION FOR HIGH PERFORMANCE LIQUID CHROMATOGRAPHY
McNair, Harold M.
Savant Corporation
35 mm slides with audio cassette, $175.00

The design and function of various types of pumps, samplers, columns, and detectors are reviewed and compared. Advantages and limitations are cited.

PRACTICAL ASPECTS OF RADIOPHARMACEUTICALS
McAfee, John G.
Radiological Society of North America
35 mm slides with audio cassette, $95.00
Note: Also includes Radionuclide Brain Imaging.

Almost all clinical nuclear imaging studies today can be performed with only seven radionuclides--Tc-99m, I-131, Xe-133, TI-201, Ga-67, In-111, and Se-75. This part of the program describes these agents and practical aspects of usage. Also discussed are methylene disphosphonate, Lidocaine, DTPA, glucoheptonate, dimercapto-succinate, and I-123.

PRINCIPLES OF HIGH PERFORMANCE LIQUID CHROMATOGRAPHY
McNair, Harold M.
Savant Corporation
35 mm slides with audio cassette, $175.00

This program provides a basic overview of HPLC, defining terms, performance parameters, instrumentation, types of column packings and their applications.

QUALITATIVE AND QUANTITATIVE ANALYSIS BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY
McNair, Harold M.
Savant Corporation
35 mm slides with audio cassette, $175.00

This program describes methods of reducing data obtained from the raw chromatogram. Retention times, peak heights and areas, peak ratios, digital integrators, and calibration standard factors affecting accuracy and precision are discussed and illustrated.

RADIOPHARMACEUTICAL DEVELOPMENT AND REGULATION
Hetzel, Kenneth R.
Society of Nuclear Medicine, Chicago address
Educational Program slide-tape format, $50.00 SNM members, $60.00 non-members

The purpose of this audiovisual is to expand the knowledge of the viewer in the area of radiopharmaceutical regulations. The development of new radiopharmaceuticals, manufacture, production, transportation and disposition of radiopharmaceuticals are included.

RADIOPHARMACEUTICALS: QUALITY CONTROL
Subramanian, Gopal
Radiological Society of North America
35 mm slides with audio cassette, $95.00
Note: Also includes Nuclear Imaging: Fundamentals and Quality Control.

A variety of quality control techniques available for radiopharmaceuticals are outlined in this presentation. Analytical techniques suitable for checking the purity of useful radiopharmaceuticals derived from radionuclides will be discussed, with particular reference to their utilization in typical hospital laboratories. An overall quality assurance program for radiopharmaceuticals and its practical implementation is described.

TECHNETIUM-99m
Gnau, Thomas S.
Society of Nuclear Medicine, New York address
35 mm slides, $55.00 SNM members, $75.00 nonmembers

12. RADIOBIOLOGY

A. PUBLICATIONS

ADVANCES IN RADIATION BIOLOGY
Augenstein, Leroy; Mason, Ronald; Quastler, Henry (Eds.)

Vol. 5, 1975, $48.00
Vol. 6, 1976, $48.00
Vol. 7, 1978, $52.50
Vol. 8, 1979, $48.00
Academic Press

BASIC RADIATION BIOLOGY
Pizzarello, Donald; Witcofski, Richard
Lea and Febiger, (2nd Ed.), 1975, $11.75

An introduction to the general principles and important techniques of radiation biology.

BIOLOGICAL AND CLINICAL BASIS OF RADIOSENSITIVITY
Friedman, Milton
Charles C. Thomas, Publisher, 1974, $62.75

In the text authorities from the fields of radiobiology, radiation pathology, preclinical radiobiology and experimental clinical radiotherapy are asked to relate their investigations in the area of radiosentivity and chemosensitivity.

BIOLOGICAL AND ENVIRONMENTAL EFFECTS OF LOW-LEVEL RADIATION
Unipub, Vol. 1, 1976, $28.00; Vol. 2, 1976, $35.00

These two volumes contain 72 symposium papers that review the present understanding of the biological effects of low-level ionizing radiation from external and internal sources at the cellular, whole-organism, and pollution levels.

BIOLOGICAL EFFECTS OF INHALED RADIONUCLIDES
International Commission on Radiological Protection
Pergamon Press, Report No. 31, 1980, $30.00

BIOLOGICAL EFFECTS OF IONIZING RADIATION: AN OVERVIEW
Bureau of Radiological Health
Superintendent of Documents, U.S. Government Printing Office
No. 017-015-00117-2, 1976, $1.00

Overview of the biological effects of ionizing radiation including: basic mechanisms of radiation injury; determinants in radiation damage; short-term effects; and long-term somatic and genetic effects, including a summary of human epidemiological studies.

BIOLOGICAL EFFECTS OF RADIATION (WYKEHAM SCIENCE SERIES NO. 14)
Coggle, J.E.
Crane Russak and Company, Inc., 1977, $8.00

Explores the effects of radiation on mammals, in particular, man.

BIOLOGICAL EFFECTS OF RADIATIONS
Grosch, Daniel S.; Hopwood, Larry E.
Academic Press, (2nd Ed.), 1979, $30.50

Does not include those aspects of radiobiology relevant to medicine. Discusses the radiobiological effects on DNA, chromosomal structure and cell response at the cellular, tissue and organ levels using data from plants and animals and applications of radiobiological principles to ecological problems.

CELLULAR RADIOBIOLOGY
Alper, Tikvah
Cambridge University Press, 1979, $12.95

Discusses basic aspects of the lethal effects of radiation on cells.

CELLULAR RADIOBIOLOGY
Lawrence, C.
University Park Press, 1971, $5.95

Concise review of the effect of ionizing radiation on living things. Extensively illustrated.

CLINICAL RADIOBIOLOGY
Duncan W.; Nias, A.H.W.
Churchill Livingstone inc., 1977, $27.50

Covers important principles of radiobiology as applied to radiation oncology (e.g., high LET radiation and combined chemo-and radiotherapy).

CONCEPTS IN RADIATION CELL BIOLOGY
Whitson, Gary L.
Academic Press, 1972, $39.00

CONSIDERATIONS OF HEALTH BENEFIT-COST ANALYSIS FOR ACTIVITIES INVOLVING IONIZING RADIATION EXPOSURE AND ALTERNATIVES (BEIR REPORT II)
National Academy of Sciences
National Technical Information Service, PB 286-555/AS, 1977, $17.00

Reports the health benefit-cost analysis of exposure to low levels of ionizing radiation and the application of various methods of such analysis.

EFFECTS ON POPULATION OF EXPOSURE TO LOW LEVELS OF IONIZING RADIATION (BEIR REPORT I)
National Academy of Sciences
National Technical Information Service, PB 239-735/AS, 1972, $18.50

Presents a summary and analysis by members of the Advisory Committee on the Biological Effects of Ionizing Radiation (BEIR I) and its subcommittees of current knowledge relating the risks from exposure to ioinizing radiation.

EFFECTS ON POPULATIONS OF EXPOSURE TO LOW LEVELS OF IONIZING RADIATION (BEIR REPORT III)

National Academy of Sciences, 1980, $16.25

Deals with the scientific basis of effects of low-dose radiation and encompasses a review and evaluation of scientific knowledge developed since 1972.

FUNDAMENTALS OF RADIOBIOLOGY

Bacq, Z.M.; Alexander, P.
Pergamon Press, (2nd Ed.), 1973, $27.00

IONIZING RADIATION: LEVELS AND EFFECTS. A REPORT OF THE UNITED NATIONS SCIENTIFIC COMMITTEE ON THE EFFECTS OF ATOMIC RADIATION

Vol. 1. Levels, 1972, $9.00
Vol. 2. Effect, 1972, $9.00
Unipub

Reviews levels of radiation received from all sources to which man is exposed and among the effects of ionizing radiation, it considers genetic effects, the effects on the immune response and the induction of malignancies in animals and man.

LATE BIOLOGICAL EFFECTS OF IONIZING RADIATION

International Atomic Energy Agency
Vol. 1. 1978, $44.00
Vol. 2. 1978, $48.00
Unipub

81 papers included, covers such topics as epidemiological studies on late effects in human populations exposed to ionizing radiation and data from experimentation on animal models.

MEDICAL RADIATION BIOLOGY

Pizzarello, D.J.; Witcofski, Richard
Lea and Febiger, 1972, $9.00

A presentation of the fundamental aspects of radiation biology as applied to medical practice.

MODIFICATION OF RADIOSENSITIVITY OF BIOLOGICAL SYSTEMS

Unipub, 1976, $17.00

The papers included in this International Atomic Energy Agency proceedings provide a solid up-to-date statement of current research results provided by many excellent authors in the field of radiation biology. Close attention is given to the integration of results from biological research with possible application of these results toward fields of radiation safety and clinical radiation therapy.

PRIMER OF MEDICAL RADIOBIOLOGY

Travis, E.L.
Year Book Medical Publishers, 1975, $16.95

An introductory level text which deals with basic radiobiology concepts pertinent to radiotherapy, nuclear medicine, and diagnostic radiology. Included are discussions on cellular effects, radiosensitivity, total body response, and late effects of radiation.

QUANTITATIVE CONCEPTS AND DOSIMETRY IN RADIOBIOLOGY
ICRU Report No. 30
International Commission on Radiation Units, 1979, $10.00

This report is a handbook for radiobiologists dealing with the conditions of exposure of biological materials to radiation. It consists of brief reviews of quantitative radiobiology and radiological physics followed by a prescription for the specification of dosimetric factors and dose in scientific writing.

RADIATION AND ENVIRONMENTAL BIOPHYSICS
Bond, V.P.; Niggli, H. Fritz et al.
Springer-Verlag, Vol.12, 1975, $77.40

RADIATION AND LIFE
Hall, Eric J.
Pergamon Press, 1976, $21.00 cloth; $9.00 paperback

A description, in terms readily understood by the nonspecialist, of what radiation is, how it affects living things, and risks and benefits of radiation in medicine and power production.

RADIATION BIOLOGY IN CANCER RESEARCH
Meyn, Raymond E.; Withers, H. Rodney
Raven Press Publishers, 1980, $57.00

Reviews the mechanisms of radiation carcinogeneses and the treatment of cancer by radiation.

RADIATION ONCOLOGY: RADIATION BIOLOGY AND RADIATION PATHOLOGY (SYLLABUS AND SELF EVALUATION)
Rubin, Philip (Ed.)
American College of Radiology, 1975, $55.00 ACR members, $75.00 nonmembers, $35.00 residents

Professional Self-Evaluation and Continuing Education Program which consists of exam materials and hard cover syllabus.

RADIOBIOLOGY EXAMINATION REVIEW BOOK
Prempree, Thangbliew
Medical Examination Publishing Co., Inc., 1975, $10.00

900 multiple-choice questions and referenced answers, offering full coverage of all important aspects of radiobiology.

RADIOBIOLOGY FOR THE RADIOLOGIST
Hall, Eric J.
Harper and Row Publishers, (2nd Ed.), 1978, $28.75

This book is intended primarily for radiology residents preparing for the Board certification. It covers the essential information needed by residents in radiotherapy, diagnostic radiology, and nuclear medicine. It also serves as a useful reference for all practicing radiologists.

SOURCES AND EFFECTS OF IONIZING RADIATION: 1977 REPORT OF THE UNITED NATIONS SCIENTIFIC COMMITTEE ON EFFECTS OF ATOMIC RADIATION
Unipub, 1977, $28.00

Major study of the effects of radiation (carcinogenic, prenatal, genetic) and sources of human radiation exposures. Subjects include: normal and technologically enhanced exposures; radiation-emitting consumer products; power generation from nuclear fission; nuclear explosions; global dose commitments from various radiation sources; medical irradiation; doses from occupational exposure.

B. AUDIOVISUALS

BIOLOGICAL EFFECTS OF IONIZING RADIATION - I HISTORICAL VT-7021A
Barnett, Mark
Bureau of Radiological Health
3/4" video cassette, 1977
Training Resource Center (HFX-73), available for free loan. Order by title and number.

In this first of four segments, Mr. Barnett discusses the discovery of x rays by Roentgen, and the health problems of the radum dial painters and pitchblend miners. He begins a discussion of the determinants of radiation injury including the dose-response concept and repairable versus irreparable radiation injury. This discussion is continued in 7021B.

BIOLOGICAL EFFECTS OF IONIZING RADIATION - II DETERMINANTS OF RADIATION INJURY AND THE ACUTE RADIATION SYNDROME VT-7021B
Barnett, Mark
Bureau of Radiological Health
3/4" video cassette, 1977
Training Resource Center (HFX-73),available for free loan. Order by title and number.

In this second of four segments, Mr. Barnett continues his discussion of the determinants of radiation injury including the dose-rate concept, individual sensitivity (LD50), and cell sensitivity. He contrasts acute and chronic effects and long- and short-term effects. The four stages of the acute radiation syndrome are reviewed.

BIOLOGICAL EFFECTS OF IONIZING RADIATION - III LONG-TERM EFFECTS OF IONIZING RADIATION - PART I VT-7021C
Barnett, Mark
Bureau of Radiological Health
3/4" video cassette, 1977
Training Resource Center (HFX-73), available for free loan. Order by title and number.

In this third of four segments, Mr. Barnett discusses those radiation effects for which the latent period may be as long as 20 years. He contrasts somatic and genetic effects and reviews in detail the means by which radiation induced genetic mutations may be passed from one generation to another.

BIOLOGICAL EFFECTS OF IONIZING RADIATION - IV LONG-TERM EFFECTS OF IONIZING RADIATION - PART II VT-7021D

Barnett, Mark
Bureau of Radiological Health
3/4" video cassette, 1977
Training Resource Center (HFX-73), available for free loan. Order by title and number.

In this fourth of four segments, Mr. Barnett reviews the long-term somatic effects of ionizing radiation including carcinogenic, cataractogenic, embryological and life-span shortening effects.

MOLECULES OF LIFE

Scientificom - Division of La Rue Communications, Inc.
16 mm film, $200.00 available for preview at $15.00

RADIATION PROTECTION DURING MEDICAL X-RAY EXAMINATIONS

Part 4. Biological Effects of X-Rays, $66.00
Part 6. Quality Control for the Automatic Film Processor, $50.50
Bureau of Radiological Health
Available from National Audiovisual Center, slide tape program

13. RADIATION PHYSICS

A. PUBLICATIONS

ADVANCES IN BIOLOGICAL AND MEDICAL PHYSICS
Lawrence, John H.; Hamilton, J.G.
Academic Press, Volumes 1-15, dates from 1948 to 1977, $49.00 each
Vol. 16. 1978, $48.50

ADVANCES IN BIOPHYSICS, VOL. 12
Kotani, Masao (Ed.)
University Park Press, 1979, $29.50

BASIC ATOMIC THEORY
American Society of Radiologic Technologists
Instructor's guide, student guide and workbook, $4.00 ASRT member; $7.00 nonmember

BASIC NUCLEAR PHYSICS FOR MEDICAL PERSONNEL
Jackson, Herbert L.
Charles C. Thomas, Publisher, 1973, $12.00

Designed as a classroom text for student technicians. Basic principles are treated, enabling the readers to adapt to new methods and equipment more quickly.

CORRELATED LECTURE LABORATORY SERIES IN DIAGNOSTIC RADIOLOGICAL PHYSICS
Bureau of Radiological Health
Superintendent of Documents, U.S. Government Printing Office
No. 017-015-00184-9, 1981, $11.00

This nine-part lecture-laboratory series is designed to provide the physics background necessary for the proper conduct of medical diagnostic x-ray examinations. The lectures present basic x-ray theory in combination with a series of correlated laboratory exercises that illustrate the effect of operator-selected parameters on both the quality of the x-ray image and on patient exposure. By actually making the films, the student learns basic radiological techniques along with the underlying physics and sees how the resultant radiograph and its interpretation can be affected by changes in radiologic parameters.

INTRODUCTION TO THE PHYSICS OF NUCLEAR MEDICINE
Goodwin, Paul N.; Dandamudi, V. Rao
Charles C. Thomas, Publisher, 1977, $23.75

Presents the principles and physics of nuclear medicine in a simple yet comprehensive manner.

INTRODUCTORY PHYSICS OF NUCLEAR MEDICINE
Chandra, Ramesh
Lea and Febiger, 1976, $12.00

Readable presentation of fundamentals of physics necessary in understanding various nuclear medicine procedures.

MEDICAL RADIATION PHYSICS, ROENTGENOLOGY, NUCLEAR MEDICINE AND ULTRASOUND

Hendee, William R.
Year Book Medical Publishers, 1979, $42.50

A comprehensive view of medical radiation physics. Nuclear medicine physics as well as radiation therapy topics are covered.

NUCLEAR MEDICINE PHYSICS, INSTRUMENTATION AND AGENTS

Rollo, David F.
C.V. Mosby Company, 1977, $58.50

Provides a comprehensive yet, easy-to-understand look at physical factors involved in nuclear imaging.

NUCLEAR RADIATION PHYSICS

Lapp, R.; Andrews, H.
Prentice Hall, Inc., (14th Ed.), 1972, $19.95

PHYSICS AND INSTRUMENTATION OF NUCLEAR MEDICINE

Sprawls, Perry
University Park Press, 1980, $19.95

Text includes many new illustrations to present key concepts, comprehensive coverage from basic nuclear structure to radioisotope image quality, and latest developments with emphasis on computer systems and cardiovascular nuclear medicine.

PHYSICS FOR APPLIED BIOLOGISTS

Hilyard, N.C.; Biggin, H.C.
University Park Press, 1977, $13.75

Brief summary of the sections of a conventional first-year college-level physics textbook that are particularly pertinent to biology and medicine.

PHYSICS FOR BIOLOGY AND PRE-MEDICAL STUDENTS

Burns, Desmond M.
Addison-Wesley Publishing Co., Inc., 1975, $10.95

Text designed to cover all the basic physics required by biology and pre-medical students and includes a large number of applications to biological fields and medical technology.

PHYSICS FOR THE HEALTH SCIENCES

Nave, Carl; Nave, Brenda
W.B. Saunders Company, 1975, $9.00

Provides thorough coverage of the concepts and principles of basic physics with numerous direct applications to health sciences.

PHYSICS IN NUCLEAR MEDICINE

Sorenson, James; Phelps, Michael
Grune and Stratton, Inc., 1980, $39.50

Serves as an introductory text in the physics of nuclear medicine and will be useful in training programs for physicians, technologists, and other scientists studying to become specialists in nuclear medicine.

RADIATION PHYSICS AND CHEMISTRY OF POLYMERS
Makhlis, Arkad
John Wiley and Sons, Inc., 1975, $44.95

RADIATION QUANTITIES AND UNITS
ICRU Report No. 33
International Commission on Radiation Units, 1980, $8.50

RADIOISOTOPE AND RADIATION PHYSICS: AN INTRODUCTION
Mladjenovic, M.
Academic Press, 1973, $33.50

RADIOLOGICAL HEALTH HANDBOOK
Bureau of Radiological Health
Superintendent of Documents, U.S. Government Printing Office
No. 017-011-00043-0, 1970, $9.50

RADIOTRACER METHODOLOGY IN THE BIOLOGICAL, ENVIRONMENTAL, AND PHYSICAL SCIENCES
Wang, H.; Willis, D.L.; Loveland, W.D.
Prentice Hall, Inc., 1975, $23.95

TABLE OF ISOTOPES
Lederer, C. Michael; Hollander, Jack; Perlman, Isodore
John Wiley and Sons, Inc., (7th Ed.), 1978, $50.50

TEXTBOOK OF MEDICAL PHYSICS
Mallard, J.; Dendy, D. (Ed.)
Pergamon Press, 1980, $50.00

TOPICS IN APPLIED PHYSICS - VOL. 32 IMAGE RECONSTRUCTION FROM PROJECTIONS
Herman, G.T.
Springer-Verlag, 1979, $49.00

Book explains how to reconstruct images by complicated methods and how to apply these methods to problems from medicine and physics.

B. AUDIOVISUALS

ATOMIC STRUCTURE AND TRANSFORMATIONS
Keriakes, James G.
Radiological Society of North America
35 mm slides with audio cassette, $185.00

Description of basic atomic structure: orbital binding energies, diagrams, transformation; nuclear structure, binding energies, radioactivity.

ENERGY, OHM'S LAW AND BASIC CIRCUITS
American Society of Radiologic Technologists
35 mm slides, $71.00 ASRT members; $87.00 nonmembers

RADIOACTIVE "DECAY" PROCESSES RELATED TO NUCLEAR MEDICINE
Johnston, R. Eugene
Society of Nuclear Medicine, New York address
35 mm slides with audio, $55.00 SNM members; $75.00 nonmembers

RADIOLOGIC PHYSICS
Research Media, Inc.
35 mm slides without audio, $38.00

RADIOLOGIC PRODUCTION
Research Media, Inc.
35 mm slides without audio, $27.00

14. RADIATION DOSIMETRY

A. PUBLICATIONS

AVERAGE ENERGY REQUIRED TO PRODUCE AN ION PAIR
ICRU Report No. 31
International Commission on Radiation Units, 1979, $10.00

BASIC ASPECTS OF HIGH ENERGY PARTICLE INTERACTIONS AND RADIATION DOSIMETRY
ICRU Report No. 28
International Commission on Radiation Units, 1978, $11.50

BIOMEDICAL DOSIMETRY
Unipub, 1975, $48.00

This set of scientific papers provides an indepth examination of the diverse uses of radiation in medicine and biology, focusing on accuracy and precision of dose determination.

COMPUTER TECHNIQUES IN RADIATION TRANSPORT AND DOSIMETRY
Nelson, W.R.; Jenkins, T.M. (Eds.)
Plenum Publishing, 1980, $55.00

CONCEPTS OF RADIATION DOSIMETRY
Kase, K.R.; Nelson, W.R.
Pergamon Press, 1978, $22.00 hard cover; $11.00 paperback

Covers the physical principles of photon and charged particle interactions and the measurement of radiation dose.

CONCEPTUAL BASIS FOR THE DETERMINATION OF DOSE EQUIVALENT
ICRU Report No. 25
International Commission on Radiation Units, 1976, $7.00

HANDBOOK OF RADIATION DOSES IN NUCLEAR MEDICINE AND DIAGNOSTIC X-RAY
Kereiakes, James C.; Rosenstein, Marvin (Eds.)
CRC Press, Inc., 1980, $49.95

Provides basic information on dosimetry from radiopharmaceuticals and from diagnostic x rays. Emphasis is on absorbed diagnostic dose in specific internal organs. (Collection of tables).

INTERNATIONAL RADIATION DOSE IN DIAGNOSTIC NUCLEAR MEDICINE
Roedler, H.; Koul, A.; Hine, G.
Verlag H. Hoffmann, Publisher, 1978, $16.50

Reference on doses to specific organs of the body from major radiopharmaceuticals used in nuclear medicine.

INTRODUCTION TO RADIATION DOSIMETRY
Lovell, S.
Cambridge University Press, 1979, $18.50

LINEAR ENERGY TRANSFER
ICRU Report No. 16
International Commission on Radiation Units, 1970, $8.00

MEDICAL INTERNAL RADIATION DOSE COMMITTEE PUBLICATIONS

MIRD PAMPHLET NO. 1. REVISED SCHEMA FOR CALCULATING THE ABSORBED DOSE FROM BIOLOGICALLY DISTRIBUTED RADIONUCLIDES
Loevinger R.; Berman, M.
Society of Nuclear Medicine, 1976, $5.25

This pamphlet is a formalization intended to produce a convenient uniformity and simplicity in the calculation of absorbed dose from radiopharmaceuticals.

MIRD PAMPHLET NO. 5. ESTIMATES OF SPECIFIC ABSORBED FRACTIONS FOR PHOTON SOURCES UNIFORMLY DISTRIBUTED IN VARIOUS ORGANS OF A HETEROGENEOUS PHANTOM
Snyder, W.S.; Ford, M.R.; Warner, G.G.
Society of Nuclear Medicine, 1978, $7.75

This pamphlet provides estimates of the specific absorbed fractions for 12 monoenergetic photon energies for numerous source and target organ pairs.

MIRD PAMPHLET NO. 10. RADIONUCLIDE DECAY SCHEMES AND NUCLEAR PARAMETERS FOR USE IN RADIATION-DOSE ESTIMATION
Dillman, L.T.; Vonderlage, F.C.
Society of Nuclear Medicine, 1975, $8.00

This pamphlet provides essential radioactive decay scheme information in convenient form on more than 120 medically important radionuclides.

MIRD PAMPHLET NO. 11. "S" ABSORBED DOSE PER UNIT CUMULATED ACTIVITY FOR SELECTED RADIONUCLIDES AND ORGANS
Snyder, W.S.; Ford, M.R.; Warner, G.G.; Watson, S.B.
Society of Nuclear Medicine, 1975, $11.00

The tabulated values of "S" in this publication simplify dose calculations. Instead of requiring separate consideration of each radiation of the decay scheme and its associated absorbed fraction, the "S" tabulation permits dose calculations by referring to single table entry for each organ combination.

MIRD PAMPHLET NO. 12. KINETIC MODELS FOR ABSORBED DOSE CALCULATIONS
Berman, M.
Society of Nuclear Medicine, 1977, $5.25

A first attempt to fuse biological modeling with dosimetry calculations into continuous framework. Emphasizes basic concepts and will provide valuable tool for understanding the importance of kinetics in estimating patient radiation doses.

MIRD SUPPLEMENT NO. 1.
Loevinger, R.; Berman M.; Berger, M.J.; Browell, G.L.; Ellet, W.H.; Reddy, A.R.
Society of Nuclear Medicine, 1968, $1.50

Includes 3 pamphlets: "Schema for absorbed dose calculations for biologically distributed radionuclides," "Energy deposition in water by photons from point isotropic sources," and "Absorbed fractions for photon dosimetry."

MIRD SUPPLEMENT NO. 3.
Snyder, W.S.; Ford, M.R.; Warner, G.G.; Fisher, H.L., Jr.
Society of Nuclear Medicine, 1969, $1.50

Includes the original pamphlet #5: "Estimates of absorbed fractions for monoenergetic photon sources uniformly distributed in various organs of a heterogeneous phantom."

MIRD SUPPLEMENT NO. 5.
Berger, N.J.; Ellet, W.H.; Humes, R.M.
Society of Nuclear Medicine, 1971, $1.50

Includes 2 pamphlets: "Distribution of absorbed dose around point sources of electrons and beta particles in water and other media," and "Absorbed fractions for small volumes containing photo-emitting radioactivity."

MIRD SUPPLEMENT NO. 6.
Lathrop, K.A.; Johnston, R.E.; Blau, M.; Rothschild, E.O.
Society of Nuclear Medicine, 1972, $3.00

Includes pamphlet #9: "Radiation dose to humans from ^{75}Se-L-Selenomethionine."

METHODS OF ASSESSMENT OF ABSORBED DOSE IN CLINICAL USE OF RADIONUCLIDES
ICRU Report No. 32
International Commission on Radiation Units, 1979, $11.00

NATIONAL AND INTERNATIONAL STANDARDIZATION OF RADIATION DOSIMETRY
Unipub, Vol. 1, 1978, $43.00; Vol. 2, 1978, $31.00

Proceedings of an international symposium on recent advances in radiation dosimetry. Volume 1 contains 42 papers on the activities of international, national, and secondary standard dosimetry laboratories; and standardization and calibration in radioprotection. The 22 papers in Volume 2 discuss basic physics phenomena related to dosimetry, standardization and calibration of radioactive sources, and absorbed dose determinations.

NEUTRON DOSIMETRY FOR BIOLOGY AND MEDICINE
ICRU Report No. 26
International Commission on Radiation Units, 1977, $10.00

RADIATION DOSIMETRY
Attix, Frank H.; Roesch, William
Academic Press

Vol. I - Fundamentals (2nd Ed.), 1968, $52.50
Vol. II - Instrumentation (2nd Ed.), 1967, $52.50
Vol. III - Sources, Fields and Applications, 1969, $82.50
All 3 Vols. - $153.00

RADIOPHARMACEUTICAL DOSIMETRY SYMPOSIUM
Bureau of Radiological Health
National Technical Information Service, PB 257-572/AS, 1976, $36.50

Contains proceedings of a symposium on concepts of internal dosimetry techniques. Provides coverage of general mathematical formulas, experimental techniques and state-of-the-art results.

SOLID STATE DOSIMETRY
Becker, Klaus
CRC Press Inc., 1973, $59.55

Covers the history, theory, materials, instruments and methods of the various aspects or practical applications and the relative advantages and disadvantages of each technique of measuring ionizing radiation.

B. AUDIOVISUALS

RADIATION DOSAGE IN NUCLEAR MEDICINE
Rohrer, Robert H.
Radiological Society of North America
Refresher Course
35 mm slides, audio cassettes, $95.00

This course includes a review of the conventional and absorbed fraction (MIRD) methods of calculating estimated absorbed doses in patients undergoing nuclear medicine diagnostic procedures.

15. RADIATION ONCOLOGY

A. PUBLICATIONS

BIOLOGY OF RADIATION CARCINOGENESIS
Yuhas, John M.; Tennant, Raymond W.; Regan, James D.
Raven Press Publishers, 1976, $32.00

An examination of current theories of radiation carcinogenesis.

CANCER CONTROL: SCREENING, DIAGNOSIS, THERAPY
Kessler, Irving I. (Ed.)
University Park Press, 1977, $24.50

A state-of-the art review of achievements, problems, and prospects in control of human cancer. Covers screening for early detection, optional methods for definitive diagnosis, and therapeutic modalities.

CANCER SOURCE BOOK FOR NURSES
American Cancer Society
Contact local society

CANCER THERAPY BY HYPERTHERMIA AND RADIATION
Streffer, Christian
Urban Schwartzenberg, 1978, $44.50

CLINICAL PEDIATRIC ONCOLOGY
Sutow, Wataru; Vietti, Teresa; Fernback, Donald
C.V. Mosby Company, (2nd Ed.), 1977, $49.50

Describes the significant recent progress in the treatment of childhood cancer.

COMPLICATIONS OF CANCER: DIAGNOSIS AND MANAGEMENT
Abeloff, Martin D.
Johns Hopkins University Press, 1980, $32.50

A guide to the diagnosis and management of fifteen complications of cancer treatment frequently encountered by patients and their primary physicians.

GENESIS OF CANCER - A STUDY IN THE HISTORY OF IDEAS
Rather, L.J.
Johns Hopkins University Press, 1978, $17.50

Study of theories about where tumors come from and what they are composed of. Book goes back as far as Hippocrates and Galen.

GENETICS OF HUMAN CANCER - PROGRESS IN CANCER RESEARCH AND THERAPY - VOL. 3
Mulvihill, John; Miller, Robert W.; Fraumeni, Joseph F., Jr.
Raven Press Publishers, 1977, $26.00

Ethnic differences in cancer occurrence; genetic and environmental influences, with particular reference to neuroblastoma.

GROWTH KINETICS OF TUMORS
Steel, G. Gordon
Oxford University Press, Inc., 1977, $52.50

Cell population kinetics in relation to the growth and treatment of cancer.

INTRODUCTION TO THE GENERAL PATHOLOGY OF TUMORS
Ashley, David James
Year Book Medical Publishers, 1976, $11.95

Directed at the clinician concerned with the care and management of patients suffering from neoplastic disease. An excellent resume of current knowledge in the field.

RADIATION-ASSOCIATED THYROID CARCINOMA
DeGroot, Leslie J. (Ed.)
Grune and Stratton, Inc., 1977, $27.00

Book is based on a workshop-conference on radiation-associated thyroid cancer held at the University of Chicago, 1976. The contributors focus on the biologic behavior and significance of radiation-associated thyroid cancer and its proper detection and therapy.

RADIATION BIOLOGY IN CANCER RESEARCH
Meyn, Raymond E.; Withers, H. Rodney
Raven Press Publishers, 1980, $57.00

Reviews the mechanisms of radiation carcinogenesis and the treatment of cancer by radiation.

RADIATION ONCOLOGY: RADIATION BIOLOGY AND RADIATION PATHOLOGY (SYLLABUS AND SELF-EVALUATION)
Rubin, Philip (Ed.)
American College of Radiology, 1975, $55.00 ACR members; $75.00 non-members; $35.00 residents

Professional Self-Evaluation and Continuing Education Program which consists of exam materials and hard-cover syllabus.

RADIATION ONCOLOGY (RATIONALE, TECHNIQUE, RESULTS)
Moss, William; Brand, William; Battifora, Hector
C.V. Mosby Company, (5th Ed.), 1979, $45.00

Includes not only the administration of radiation but also the entire spectrum from diagnosis to clinical management, treatment and followup care.

THERAPEUTIC RADIOLOGY - CONTINUING EDUCATION REVIEW
Stryker, John A.; Clement, John A.
Medical Examination Publishing Co., 1977, $12.00

Guide to the current status of radiation therapy in the management of patients with malignant diseases, presenting 418 essay questions and fully discussed answers referenced to current literature oncology.

THYROID CANCER
Greenfield, Larry D. (Ed.)
CRC Press, Inc., Order No. 5205 DM, 1978, $64.95

Chapters on the background of thyroid gland embryology, physiology, pathology, thyroid cancer management and patient care. Includes information on hospital radiation safety requirements.

TUMOR LOCALIZATION WITH RADIOACTIVE AGENTS
Unipub, 1976, $12.00

Recommended to anyone interested in medical applications of radionuclides.

B. AUDIOVISUALS

CANCER SERIES:

CANCER I. - THE NATURE OF CANCER AND ITS DIAGNOSIS
1. The Malignant Cell: Physiology of Disordered Function
2. The Malignant Cell: Etiology of Disordered Function
3. Malignant Neoplasms: Growth, Invasion, Metastasis
4. Malignant Neoplasms: Interactions with the Host
5. Diagnostic Procedures

CANCER II - FOCUSING ON FEELINGS
3. & 4. Viewpoint - The Patient
Concept Media
35 mm film strips with record or cassette, 1972, each program $90.00

ONCOLOGY
Conway, James J.
Radiological Society of North America
35 mm slides with audio cassette, $95.00

RADIOISOTOPES IN THE DIAGNOSIS OF CANCER
Taplin, George V. et al.
American Cancer Society
16 mm film with audio and 3/4" video cassette, 1971, free loan
Contact local society

Demonstrates the principles of scanning techniques utilizing unstable isotopes rich in gamma radiation. This film should be of particular interest to the practicing physician who is not a radiologist as well as to the medical student who has even a slight acquaintance with atomic physics.

C. TRAINING AIDS

AMERICAN CANCER SOCIETY

Professional Educational Booth Size Exhibits
Loaned by the National Office through A.C.S. local divisions. Must be reserved several months in advance. You must pay shipping and setup costs.

Professional Educational Table Top Exhibits
Usually 3' x 5' cardboard mounted
Example: Quality of Survival
What is Excellence in Nursing Care for Patients Receiving Radiotherapy?
Contact local society

16. RADIATION PATHOLOGY

A. PUBLICATIONS

BASIC PATHOLOGY
Robbins, Stanley L.; Angell, Marcia
W.B. Saunders Company, (2nd Ed.), 1976, $19.50

The core material of pathology is presented in this concise text.

CLINICAL CARDIOLOGY - VOL. 3 OF THE SCIENCE AND PRACTICE OF CLINICAL MEDICINE
Willerson, James T.; Sanders, Charles A. (Eds.)
Grune and Stratton, Inc., 1977, $39.50

CLINICAL CARDIOVASCULAR PHYSIOLOGY
Levine, Herbert J.
Grune and Stratton, Inc., 1976, $69.25

Monograph which presents the current understanding of the pathophysiology of diseases of the heart and circulation in their clinical setting.

CLINICAL IMPLICATIONS OF LABORATORY TESTS
Tilkian, Sarko M.; Conover, Mary B.; Tilkian, Ara G.
C.V. Mosby Company, (2nd Ed.), 1979, $10.95

Examines the physiological implications, variations, and interrelations of laboratory values to develop an understanding of the clinical significance of the laboratory.

COLOR ATLAS OF CARDIAC PATHOLOGY
Farrer-Brown, G.
Year Book Medical Publishers, 1979, $43.50

400 color photos and x rays. Atlas provides a visual guide to cardiac pathology. It is valuable to senior clinical students and junior pathologists in training.

ENDOCRINE PATHOLOGY
Hartman, William H. et al.
American Society of Clinical Pathologists, Order No. 50-1-043-00, 1979, $15.00

Based on the 43rd Annual Anatomic Pathology Slide Seminar, this is a representation of recent advances in the understanding of endocrine glands and systems.

HEART DISEASE: A TEXTBOOK OF CARDIOVASCULAR MEDICINE
Braunwald, Eugene (Ed.)
W.B. Saunders Company, 1980, $65.00

Comprehensive review of cardiovascular disease. Incorporates both basic science and clinical medicine. Includes current and extensive bibliography.

HUMAN HEART - A GUIDE TO HEART DISEASE
Phibbs, Brendan
C.V. Mosby Company, (4th Ed.), 1979, $13.95

Concisely describes all aspects of heart disease, anatomy, physiology, pathophysiology, emergency procedures, common diagnostic techniques, catheterization, and heart surgery.

INTRODUCTION TO HUMAN DISEASE
Kent, Thomas H. et al.
Appleton-Century-Crofts, 1979, $16.95

Clinically oriented text which provides students with a survey of human disease. The authors present information on the overall frequency and significance of disease and diagnostic approaches, including laboratory resources.

INTRODUCTION TO THE PRINCIPLES OF DISEASE
Walter, John B.
W.B. Saunders Company, 1977, $17.95

This is a basic textbook of pathology for students in a wide range of allied health professions, including nursing, in either certificate or degree programs.

KIDNEY PHYSIOLOGY AND KIDNEY DISEASE - AN INTRODUCTION TO NEPHROLOGY
Maude, David L.
Lippincott/Harper, 1977, $19.50

Contains a blend of introductory physiology and clinical materials that makes it not only an easy-to-use, succinct review of current data for practitioners, but also a source of easily assimilated, essential material for busy students.

PATHOLOGIC BASIS OF DISEASE
Robbins, Stanley L.; Cotran, Ramzi S.
W.B. Saunders Company, (2nd Ed.), 1979, $39.50

This new second edition covers normal anatomy and physiology, then goes on to present a complete overview of various disease processes including incidence, frequency, causation, population at greatest risk, morphologic changes, and clinical course.

PATHOLOGY
Anderson, W.A.D.; Kissane, John M.
C.V. Mosby Company, (7th Ed.), 1977, $48.50

A comprehensive, authoritative survey of both general and systemic pathology.

PERINATAL THYROID PHYSIOLOGY AND DISEASE
Fisher, Delbert A.; Burrow, Gerard N.
Raven Press Publishers, 1975, $25.00

Discusses the diagnosis, successful treatment, and possible prevention of congenital hypothyroidism.

PRACTICAL CONCEPTS IN HUMAN DISEASE
Beckley, Harmon C.
Williams and Wilkins Company, (2nd Ed.), 1980, $18.95

Covers material generally considered "core" in the study of pathology and other nontraditional topics.

PULMONARY PATHOPHYSIOLOGY- THE ESSENTIALS
West, John B.
Williams and Wilkins Company, 1977, $13.50

A concise, amply illustrated account of respiratory function in disease emphasizing the relation between structure and function.

RADIATION HISTOPATHOLOGY
Casarett, George
CRC Press, Inc., 1980, Vol. I - $47.95, Vol. II - $49.95

Discussion of histopathology induced by localized and whole-body irradiation with ionizing radiations.

RADIATION ONCOLOGY: RADIATION BIOLOGY AND RADIATION PATHOLOGY (SYLLABUS AND SELF EVALUATION)
Rubin, Philip (Ed.)
American College of Radiology, 1975, $55.00 ACR members, $75.00 nonmembers, $35.00 residents

Professional Self Evaluation and Continuing Education Program which consist of exam materials and hard cover syllabus.

SYNOPSIS OF PATHOLOGY
Anderson, W.A.D.; Scotti, Thomas
C.V. Mosby Company, (10th Ed.), 1980, $19.95

Concise and comprehensive, this popular text offers health personnel an intermediate level coverage of pathology, encompassing both general and systemic aspects.

SYNOPSIS OF PATHOLOGY FOR THE ALLIED HEALTH PROFESSIONS
Gardner, Alvin F.
Charles C. Thomas, Publisher, 1979, $34.50

TEXTBOOK OF RENAL PATHOPHYSIOLOGY
Knox, Franklyn G.
Harper and Row Publishers, 1978, $23.00

Multidisciplinary textbook intended for use in medical school curricula and for continuing education of physicians with emphasis on relevance to the practice of medicine.

THYROID: A FUNDAMENTAL AND CLINICAL TEXT
Werner, S.G.; Ingbar, S.H.
Harper and Row Publishers, (4th Ed.), 1978, $60.00

Designed for anyone interested in thyroid function both normal and abnormal. Part I is devoted to basic anatomy, histology and physiology. Part II covers laboratory assessments of thyroid functions. Part III contains detailed clinical discussions of diseases of the thyroid.

B. AUDIOVISUALS

METABOLIC BONE DISEASE

Bartter, Frederic C.
Medcom Products
100-35 mm slides with audio cassette, $115.00

In this program, the author presents a comprehensive discussion of diseases producing bone deficiency; those which produce excess bone formation and those producing both. Among those disorders discussed, are osteoporosis and osteomalacia, osteopetrosis, melorheostosis, phosphorus poisoning and pseudohypoparathyroidism...Paget's disease and fibrogenesis imperfecta ossium.

PULMONARY EMBOLISM

Coodley, Eugene L.
Medcom Products

Part I: Diagnosis and Features
63-35 mm slides with audio cassette, $80.00

The author begins with a discussion of pulmonary embolisms and the factors that contribute to their formation. The program then moves on to an indepth analysis of the various techniques and studies now in use to diagnose venous thrombosis. The concluding segment details the various laboratory tests that can be used in the diagnosis of pulmonary embolism.

Part II: Differential Diagnosis, Prognosis and Therapy
43-35 mm slides with audio cassette, $80.00

The concluding section of this audiovisual learning system is, like Part I, a clinically oriented discussion that considers the differential diagnosis, prognostic features, prophylactic measures, and current concepts of treatment of this disease entity.

THYROID DISEASES

Selenkow, Herbert A.
Medcom Products
100-35 mm slides with audio cassette, $115.00

The diagnosis and treatment of such common disorders as thyrotoxicosis, myxedema, goiter, and cancer are presented in an integrated teaching program by a leading endocrinologist.

17. RADIONUCLIDE THERAPY

A. PUBLICATIONS

CANCER AND RADIOTHERAPY: A SHORT GUIDE FOR NURSES AND MEDICAL STUDENTS
Walter, Joseph
Churchill Livingstone Inc., (2nd Ed.), 1977, $13.25

Contains new sections on the acute radiation syndrome, cancer of the prostate and retinoblastoma, and considerable amendments on cancer in children.

CANCER CONTROL: SCREENING, DIAGNOSIS, THERAPY
Kessler, Irving, I.
University Park Press, 1977, $24.50

State-of-the-art review of achievements, problems, and prospects in control of human cancer. Covers screening for early detection, optional methods for definitive diagnosis, and therapeutic modalities.

PRINCIPLES OF RADIATION THERAPY
Deeley, Thomas J.
Butterworths Publishing, Inc., 1976, $17.95

Presents the origins, techniques, and applications of radiotherapy. Illustrated with drawings, radiographs and photographs. Glossary of terms included.

RADIATION THERAPY - A PATIENT'S GUIDE
American College of Radiology, $10.45 for 100 copies

Patient information booklet describing the role of the radiation therapist.

THERAPY IN NUCLEAR MEDICINE
Spencer, Richard P.
Grune and Stratton, Inc., 1978, $40.75

This volume brings together aspects of the rapidly growing use of parenterally administered radioactive materials in nuclear medicine therapy.

THYROID CANCER
Greenfield, Larry D. (Ed.)
CRC Press, Inc., 1978, $64.95

Contains chapters on the background of thyroid gland embryology, physiology, pathology, thyroid cancer management, and patient care. Includes information on hospital radiation safety requirements.

B. AUDIOVISUALS

THYROID CANCER: DIAGNOSIS AND TREATMENT
James, Arthur G., Consultant
American Cancer Society
16 mm film with audio; 3/4 " video cassette, 1969, free loan

Demonstrates the diagnostic procedures used for thyroid gland tumors, including palpation, radioactive isotope scans, radiography, and biopsy.

THYROID DISEASES
Selenkow, Herbert
Medcom Products
100-35 mm slides with audio cassette, $115.00

The diagnosis and treatment of such common disorders as thyrotoxicosis, myxedema, goiter, and cancer are presented in an integrated teaching program by a leading endocrinologist.

18. QUALITY ASSURANCE

A. PUBLICATIONS

IMAGING ABILITY OF COLLIMATORS IN NUCLEAR MEDICINE

Bureau of Radiological Health
National Technical Information Service, PB 290-945/AS, 1978, $11.00, Supplement, PB 290-955/AS, 1978, $12.50

This publication presents detailed information, classified by manufacturer and model, on the imaging characteristics of collimators as a separate subsystem of gamma cameras or rectilinear scanners. Combined with intrinsic resolution data from the manufacturer, clinicians and physicians will find this useful.

MEASUREMENT OF THE PERFORMANCE PARAMETERS OF GAMMA CAMERAS

Bureau of Radiological Health
National Technical Information Service
Part I. PB 277-482/AS, 1977, $8.00
Part II. PB 301-041/AS, 1979, $8.00

It is the objective of this work (Parts I and II) to evaluate the performance of gamma cameras as they are routinely used, and to facilitate the comparison of this performance with that specified by the manufacturers when compatible specifications exist.

PHOTOGRAPHIC QUALITY ASSURANCE IN DIAGNOSTIC RADIOLOGY, NUCLEAR MEDICINE, AND RADIATION THERAPY

Vol. I - The Basic Principles of Daily Photographic Quality Assurance
Bureau of Radiological Health
National Technical Information Service, PB 255-973/AS, 1977, $9.00

Provides the x-ray technologist with basic, practical information necessary for the establishment and maintenance of a photographic quality assurance program involving a minimum investment of his time for training and daily quality assurance procedures and a minimum investment in equipment and materials.

PHOTOGRAPHIC QUALITY ASSURANCE IN DIAGNOSTIC RADIOLOGY, NUCLEAR MEDICINE, AND RADIATION THERAPY

Vol. II - Photographic Processing, Quality Assurance and the Evaluation of Photographic Materials
Bureau of Radiological Health
National Technical Information Service, PB 267-498/AS, 1977, $8.00

Provides the technologist with supplemental information including reasons for procedures specified in Vol. I.

QUALITY ASSURANCE FOR PATIENT CARE: NURSING PERSPECTIVES
Mayers, Marlene et al.
Appleton-Century-Crofts, 1977, $13.50

Essential reference for those who administer quality assurance programs. Explores effective application of evaluation principles to patient care.

QUALITY CONTROL AND DATA ANALYSIS OF LIQUID ASSAY: RADIOIMMUNOASSAY, ENZYME IMMUNOASSAY, FLUOROIMMUNOASSAY - A PROGRAMMED TEXT
Rodgers, Richard C.
Scientific Newsletters, Inc., 1980, $30.00

Discusses basic tools of data analysis, methods of quality control, automated methods for RIA, enzyme and fluoroimmunoassay.

QUALITY CONTROL FOR SCINTILLATION CAMERAS
Bureau of Radiological Health
National Technical Information Service, PB 255-892/AS, 1976, $7.00

Report summarizes the components of a "quality control" program and outlines most useful "quality control" techniques for scintillation cameras. Recommendations based on a minimum daily monitoring program are presented. In addition, the report contains a flow chart of operational and quality control procedures for scintillation cameras, a glossary of performance parameters and terms, and a compilation of multipurpose phantoms available for use in nuclear medicine.

QUALITY CONTROL FOR CLINICAL CHEMISTRY
Whitehead, Thomas Patterson
John Wiley and Sons, Inc., 1977, $26.95

Describes the basic principles and techniques required for effective quality control in clinical chemistry. Identifies five key stages of quality control and prescribes guidelines for detecting sources of observed variance.

QUALITY CONTROL IN NUCLEAR MEDICINE: RADIOPHARMACEUTICALS, INSTRUMENTATION AND IN VITRO ASSAYS
Rhodes, Buck A.
C.V. Mosby Company, 1977, $44.50

Book provides a "how-to" approach for scientific and technical personnel involved in the current use and future evolution of nuclear diagnostic systems.

QUALITY CONTROL IN THE CLINICAL LABORATORY
Ottaviana, Paul; DiSalvo, Arthur
University Park Press, 1977, $17.95

RADIOISOTOPE PRODUCTION AND QUALITY CONTROL
Unipub, 1971, $50.00

A technical manual providing guidelines for the selection of the appropriate methodology for the production, processing, dispensing, and quality control of radioisotopes for medical use. Covers: reactor-, generator-, and accelerator-produced radioisotopes; labeled compounds; radiopharmaceutical applications; and special techniques.

RADIONUCLIDE IMAGING ARTIFACTS
Wells, L.D.
Year Book Medical Publishers, 1980, $13.75

This volume provides nuclear medicine health care workers, both professional and technical, with an awareness of the factors which affect radionuclide imaging. The text contains a collection of unusual imaging artifacts which will be valuable in an educational, academic, and practical nuclear medicine environment.

WORKSHOP MANUAL FOR QUALITY CONTROL OF SCINTILLATION CAMERAS IN NUCLEAR MEDICINE
Bureau of Radiological Health
National Technical Information Service, PB 255-362/AS, 1976, $7.00

This manual contains resource information useful in implementing a routine quality control program for scintillation cameras. Special consideration is given to the instrument components which influence image quality, the materials and methods for ascertaining changes in performance, and the identification of common malfunctions.

B. AUDIOVISUALS

NUCLEAR IMAGING: FUNDAMENTALS AND QUALITY CONTROL
Harris, C. Craig
Radiological Society of North America
35 mm slides with audio cassette, $95.00
Note: Also includes Radiopharmaceuticals: Quality Control.

This Program focuses on the following areas:

I. Fundamentals of in vivo imaging
   A. Basic energy selective counting systems
   B. Rectilinear scanners
   C. Gamma scintillation cameras

II. Quality Control
   A. Proper conditions for performance of clinical studies
   B. Comprehensive evaluations
   C. Applicability of quality control results to evaluation of clinical studies

RADIOCHROMATOGRAPHY: TESTING FOR RADIOCHEMICAL PURITY VT-0048
Bureau of Radiological Health
3/4 " video cassette, 1980
Training Resources Center (HFX-73), available for free loan. Order by title and number.

Presents information on radiochromatography, a quality control method for detecting radiochemical impurities which may contribute to improper localization, image degradation, and increased absorbed radiation dose. Discusses steps involved in the technique and methodology of various types of kits.

RADIOPHARMACEUTICALS: QUALITY CONTROL

Subramanian, Gopal

Radiological Society of North America

35 mm slides with audio cassette, $95.00

Note: Also includes Lung Imaging: Fundamentals and Quality Control.

A variety of quality control techniques available for radiopharmaceuticals is outlined in this presentation. Analytical techniques suitable for checking the purity of useful radiopharmaceuticals derived from radionuclides will be discussed, with particular reference to their utilization in typical hospital laboratories. An overall quality assurance program for radiopharmaceuticals and its practical implementation are described.

19. RADIATION PROTECTION

A. PUBLICATIONS

ASSESSMENT OF RADIOACTIVE CONTAMINATION IN MAN
Unipub, 1972, $39.00

Discusses techniques for measuring and interpreting specified maximum permissible dose-commitments resulting from the entry of radioactive substances into the body.

BASIC RADIATION PROTECTION CRITERIA
National Council on Radiation Protection and Measurements
Report No. 39, 1971, $6.00

Report represents the council's attempt to formulate a system that can be used to support a reasonable, generalized system of protection standards.

BIOLOGICAL ASPECTS OF RADIATION PROTECTION
Sugahara, T.
Springer-Verlag, 1971, $43.50

BIOLOGICAL EFFECTS OF INHALED RADIONUCLIDES
International Commission on Radiological Protection
Pergamon Press, Report No. 31, 1980, $30.00

CONTROL AND REMOVAL OF RADIOACTIVE CONTAMINATION IN LABORATORIES
National Council on Radiation Protection and Measurements
Report No. 8, 1951, $4.00

DESIGN OF AND EQUIPMENT FOR HOT LABORATORIES
Unipub, 1976, $42.00

This volume discusses the planning, design, and construction of specialized laboratories for handling radioactive substances of high activity, emphasizing safety feature requirements.

DIAGNOSIS AND TREATMENT OF INCORPORATED RADIONUCLIDES
Unipub, 1976, $48.00

The stated purpose of the publication is to be of help to the medical practitioner and health physicist who may be called upon to handle cases where radionuclides have been accidentally incorporated.

EIGHTH ANNUAL NATIONAL CONFERENCE ON RADIATION CONTROL, RADIATION BENEFITS AND RISKS: FACTS, ISSUES, AND OPTIONS
Bureau of Radiological Health
National Technical Information Service, PB 267-317/AS, 1977, $22.00

ELEMENTS OF RADIATION PROTECTION
Scheele, Ronald V.; Wakley, Jack
Charles C. Thomas, Publisher, 1980, $10.25

The material content and mode of presentation are clear and nonmathematical for those students who have little background in physics and mathematics.

EPIDEMIOLOGIST TAKES A LOOK AT RADIATION RISKS
Bureau of Radiological Health
National Technical Information Service, PB 220-144/AS, 1973, $3.50 - microfiche

EXPERIMENTAL RADIOLOGICAL HEALTH PHYSICS
Gollnick, Daniel A.
Pergamon Press, 1978, $22.00 hard cover, $10.75 soft cover

Explores routine methods, instrumentation, and problems encountered by students and professionals in the field of radiological health physics.

GUIDE TO RADIATION PROTECTION
Craig, J.
John Wiley and Sons, Inc., 1975, $17.95

HANDBOOK OF LABORATORY SAFETY
Steere, Norman (Ed.)
CRC Press, Inc., (2nd Ed.), 1980, $54.95

Includes dose to body organs from inhalation or ingestion of soluble radionuclides as well as other aspects of occupational safety.

HANDBOOK OF RADIATION MEASUREMENT AND PROTECTION
Brodsky, Allen (Ed.)

Section A: General Scientific and Engineering Information
Vol. I - Physical Science and Engineering Data, 1978, $79.95
Vol. II - Biological and Mathematical Data, $89.95, in press, due late 1981
Sections B,C: - in press, due mid to late 1982
CRC Press, Inc.

HANDBOOK OF RADIOACTIVITY MEASUREMENTS PROCEDURES
National Council on Radiation Protection and Measurements
Report No. 58, 1978, $12.00

HANDLING OF RADIATION ACCIDENTS
Unipub, 1977, $47.00

The papers in this volume examine the regulatory measures applied to minimize the incidence and mitigate the effects of radiation accidents.

HANDLING, STORAGE, USE AND DISPOSAL OF UNSEALED RADIONUCLIDES IN HOSPITALS AND MEDICAL RESEARCH ESTABLISHMENTS
International Commission on Radiological Protection
Pergamon Press, Report No. 25, 1977, $11.75

HEALTH PHYSICS: A BACKWARD GLANCE
Kathren, R.L.; Zremir, P.L. (Eds.)
Pergamon Press, 1980, $25.00

Book looks at the historical aspects of radiation protection and highlights the advances during the last half century.

HEALTH PHYSICS IN THE HEALING ARTS
Bureau of Radiological Health
National Technical Information Service, PB 228-791/AS, 1973, $3.50 - microfiche only

HEALTH PROTECTION OF RADIATION WORKERS
Norwood, W. Daggett
Charles C. Thomas, Publisher, 1975, $35.00

Book summarizes present knowledge regarding the hazards to the safety and well-being of persons working with radiation.

IMPLICATIONS OF COMMISSION RECOMMENDATIONS THAT DOSES BE KEPT AS LOW AS READILY ACHIEVABLE
International Commission on Radiological Protection
Pergamon Press, Report No. 22, 1973, $12.50

INHALATION RISKS FROM RADIOACTIVE CONTAMINANTS
Unipub, 1973, $9.50

A manual producing guidelines for establishing safety standards related to inhalation risks of radiation workers. It discusses the rate of inhaled particles in the respiratory tract and pathological effects following inhalation.

INSTRUMENTATION AND MONITORING METHODS FOR RADIATION PROTECTION
National Council on Radiation Protection and Measurements
Report No. 57, 1978, $6.00

INTRODUCTION TO HEALTH PHYSICS
Cember, Herman
Pergamon Press, 1969, $19.50

Designed to give the student a basic understanding of the biophysical basis of radiation protection, radiation safety criteria, and the assumptions inherent in radiation protection guides.

LIMITS FOR INTAKES OF RADIONUCLIDES BY WORKERS
International Commission on Radiological Protection
Pergamon Press, Report No. 30
Part 1 - 1979, $35.00 soft cover, 1980, Supplement, $68.00
Part 2 - 1980, $25.00 soft cover, 1980, Supplement, $100.00
Part 3 - Soft cover and Supplement due in Oct. 1981

MANAGEMENT OF PERSONS ACCIDENTALLY CONTAMINATED WITH RADIONUCLIDES
National Council on Radiation Protection and Measurements
Report No. 65, 1980, $8.00

MAXIMUM PERMISSIBLE BODY BURDENS AND MAXIMUM PERMISSIBLE CONCENTRATIONS OF RADIONUCLIDES IN AIR AND IN WATER FOR OCCUPATIONAL EXPOSURES
National Council on Radiation Protection and Measurements
Report No. 22, 1959, $4.00

MEDICAL BASIS FOR RADIATION ACCIDENT PREPAREDNESS
Hubner, K.F.; Fry, S.A. (Eds.)
Elsevier North Holland, Inc., 1980, $49.50

Designed to serve as a reference for physicians involved in responding to emergency situations complicated by radiation.

MEDICAL RADIATION EXPOSURE OF PREGNANT AND POTENTIALLY PREGNANT WOMEN
National Council on Radiation Protection and Measurements
Report No. 54, 1977, $6.00

States that elective examinations of the lower abdomen and pelvis of fertile women should be restricted to the early part of the menstrual cycle. Data relative to this recommendation are discussed in detail.

OPERATIONAL RADIATION SAFETY PROGRAM
National Council on Radiation Protection and Measurements
Report No. 59, 1978, $6.00

Presents discussion of philosophies and basic principles; promotes the "as low as reasonably achievable" concept.

PRECAUTIONS IN THE MANAGEMENT OF PATIENTS WHO HAVE RECEIVED THERAPEUTIC AMOUNTS OF RADIONUCLIDES
National Council on Radiation Protection and Measurements
Report No. 37, 1970, $6.00

Treats four major situations: (1) the patient receiving regular nursing care in the hospital, (2) the radioactive patient referred for emergency surgery, (3) the patient released from the hospital while still containing a significant quantity of radioactive material, and (4) the patient who dies while still appreciably radioactive.

PRINCIPLES OF RADIATION PROTECTION
Morgan, K.Z.; Turner, J.E.
Robert E. Krieger Publishing Company, Inc., 1967, $21.50

Deals with the principles and data underlying radiation protection and describes fundamental knowledge in the fields of physics, biophysics, radiation biology, and medicine pertaining to health physics.

PROGRESS IN RADIATION PROTECTION
Bureau of Radiological Health
FDA-78-8015, 1976. Free from BRH Technical Information Staff (HFX-28)

PROTECTION OF THE PATIENT IN RADIONUCLIDE INVESTIGATIONS
International Commission on Radiological Protection
Pergamon Press, Report No. 17, 1971, $9.00

PROTECTION OF THE THYROID GLAND IN THE EVENT OF RELEASES OF RADIOIODINE
National Council on Radiation Protection and Measurements
Report No. 55, 1977, $7.00

RADIATION PROTECTION: A GUIDE FOR SCIENTISTS AND PHYSICIANS
Shapiro, Jacob
Harvard University Press, 1972, $16.50 cloth, $9.95 paper

A comprehensive manual for the safe use of radiation sources.

RADIATION PROTECTION: A SYSTEMATIC APPROACH TO SAFETY
Pergamon Press, 2 volume set, 1980, $200.00

Proceedings of the 5th International Congress of the International Radiation Protection Association.

RADIATION PROTECTION - CONCEPTS AND TRADE OFFS
Friedell, Hymer L.
National Council on Radiation Protection and Measurements, 1979, $7.00
(No. 3 of the Lauriston S. Taylor Lecture Series)

RADIATION PROTECTION INSTRUMENTATION AND ITS APPLICATIONS
International Commission on Radiation Units
ICRU Report No. 20, 1972, $9.50

RADIATION PROTECTION FOR MEDICAL AND ALLIED HEALTH PERSONNEL
National Council on Radiation Protection and Measurements
Report No. 48, 1976, $7.00

Addresses the problem of providing information about the possible biological effects and safe levels of radiation to a wide spectrum of individuals involved in the use of radiation in the healing arts.

RADIATION PROTECTION IN THE RADIOLOGICAL AND HEALTH SCIENCES
Noz, Marilyn E.; Maguire, Gerald O.
Lea and Febiger, 1979, $12.50

A complete presentation of radiation protection principles including general applications and protection from sources of internal and external radiation.

RADIATION PROTECTION MEASUREMENT
Kiefer, H.; Maushart, R.
Pergamon Press, 1972, $65.00

Gives a comparative survey of current methods of radiation protection measurement, describing the instruments and techniques for dose and activity measurements, identification of individual nuclides, and protection measurements in nuclear accidents at war.

RADIATION PROTECTION OF THE PATIENT: A MANUAL OF GOOD PRACTICE
Langmead, W. (Ed.)
British Institute of Radiology and British Radiological Protection Association, 1979, 2.95 pounds

RADIATION PROTECTION STANDARDS
Taylor, Lauriston S.
CRC Press, Inc., 1971, $22.95

Report traces the development of the understanding of radiation hazard and the philosophy for protecting against it.

RADIATION SAFETY HANDBOOK FOR IONIZING AND NONIONIZING RADIATION
Bureau of Radiological Health
Superintendent of Documents, U.S. Government Printing Office
No. 017-015-00116-4, 1977, $1.70

RADIOLOGICAL HEALTH HANDBOOK
Bureau of Radiological Health
Superintendent of Documents, U.S. Government Printing Office
No. 017-011-00043-0, 1970, $9.50

A composite of different charts, curves, and scales useful in the practice of radiation therapy.

RADIONUCLIDE RELEASE INTO THE ENVIRONMENT: ASSESSMENT OF DOSES TO MAN
International Commission on Radiological Protection
Pergamon Press, Report No. 29, 1979, $18.25

RECOMMENDATIONS FOR WASTE DISPOSAL OF PHOSPHORUS-32 AND IODINE -131 FOR MEDICAL USES
National Council on Radiation Protection and Measurements
Report No. 9, 1951, $4.00

REVIEW OF NCRP RADIATION DOSE LIMIT FOR EMBRYO AND FETUS IN OCCUPATIONALLY EXPOSED WOMEN
National Council on Radiation Protection and Measurements
Report No. 53, 1977, $5.00

The basis for the Council's decision to make no change in the current recommendation of its dose limit to the unborn is set out fully in this report.

REVIEW OF THE CURRENT STATE OF RADIATION PROTECTION PHILOSOPHY
National Council on Radiation Protection and Measurements
Report No. 43, 1975, $5.00

SAFE HANDLING OF RADIOACTIVE MATERIALS
National Council on Radiation Protection and Measurements
Report No. 30, 1964, $4.00

SQUARES OF THE NATURAL NUMBERS IN RADIATION PROTECTION
Parker, Herbert N.
National Council on Radiation Protection and Measurements, 1977, $7.00
(No. 1 of the Lauriston S. Taylor Lecture Series)

TRAINING IN RADIOLOGICAL PROTECTION FOR NUCLEAR PROGRAMS
Unipub, 1975, $14.00

This manual provides guidance for developing training programs in radiological protection, discussing: category, form, scope, duration of program; training medical doctors, radiologists and qualified workers in nuclear medicine; curricula; and organization. It also contains a comprehensive list of training courses available in various countries.

WHY BE QUANTITATIVE ABOUT RADIATION RISK ESTIMATES?
Pochin, Sir Edward
National Council on Radiation Protection and Measurements, 1978, $7.00
(No. 2 of the Lauriston S. Taylor Lecture Series)

B. AUDIOVISUALS

DECONTAMINATION IN THE NUCLEAR MEDICINE LABORATORY VT-8057

Bureau of Radiological Health
3/4 " video cassette, 1978
Training Resource Center (HFX-73), available for free loan. Order by title and number.

Demonstrates the correct decontamination techniques for cleaning up a radioactive spill in the laboratory. Includes the preparation, decontamination, and followup phase of the procedure.

RADIATION PROTECTION DURING MEDICAL X-RAY EXAMINATIONS

Bureau of Radiological Health
National Audiovisual Center
Part 4: Biological Effects of X Rays
79-35 mm slides with audio cassette, $66.00

This part of the program is intended as an introduction to the subject of radiation bioeffects for the student technologist and also is appropriate for use as a review presentation for practicing technologists. It describes in general terms the factors which influence the effects of radiation exposure and discusses the differences between genetic and somatic effects, and the types of somatic effects that may occur. Throughout the presentation, the need for adequate patient protection is reinforced.

Part 6: Quality Control for the Automatic Film Processor
75-35 mm slides with audio cassette, $50.50
National Audiovisual Center

The practicing technologist is provided with a step-by-step explanation of the five major phases of a good, basic quality control program for the automatic film processor: processor preparation, reference films, quality control chart and maintenance log, daily sensitometric check, and determination of the need for corrective actions. Examples of quality check results and their meaning are given for each step.

RADIATION PROTECTION FOR NUCLEAR MEDICINE PROCEDURES

Bureau of Radiological Health
National Audiovisual Center
Part 1 - Principles of Protection for Diagnostic Examinations
35 mm slide cassette, $44.00

Helps listener explore the sources of radiation exposure, learn who needs to be protected from exposure associated with nuclear medicine, and examine the methods of reducing exposure.

RADIATION SAFETY - PRINCIPLES AND PRACTICES

James Picker Center for Continuing Education
Filmstrip, audio cassette, manual, Order No. BX-200, $120.00

Devoted to the study of basic radiation physics and safety as applied to radiology.

RADIOGRAPHY - THE CHRISTENSEN SERIES

Christensen, Charles, L.
Multi-Media Publishing Company
35 mm slides, audio cassette, workbook, and instructor's manual, 1979
Lesson 1. Radiation Protection, $110.00
Lesson 3. Electrical Hazard in the X-Ray Department, $110.00

WORKING WITH RADIATION AND PROTECTING THE UNBORN

Radiation Management Corporation
Video cassette, instructor's manual, and poster, 1979, $375.00

20. OTHER MODALITIES

A. PUBLICATIONS

ATLAS OF COMPUTED BODY TOMOGRAPHY - NORMAL AND ABNORMAL ANATOMY
Chiu, Lee C.; Schapiro, Rolf L.
University Park Press, 1980, $19.95

An atlas of cross sectional anatomy of the human body, excluding the head. Scans of normal anatomy are compared with cross sectional specimens and with scans of abnormal anatomy.

CEREBRAL COMPUTED TOMOGRAPHY: A TEXT ATLAS
Weisberg, Leon; Nice, Charles; Katz, Myron
W.B. Saunders Company, 1978, $27.50

CLARK'S POSITIONING IN RADIOGRAPHY
Krell, Louis; Clark, Kathleen C.
Year Book Medical Publishers
Vol. 1 - Routine Radiography, (10th Ed.), 1980, $49.95

Consists of basic positioning, supplemented with followup stages of alternative technics to assist in producing necessary diagnostic information when dealing with the less cooperative patient.

CLINICAL ECHOCARDIOGRAPHY
Nanda, Navin C.; Gramiak, Raymond
C.V. Mosby Company, 1978, $41.50

Book reviews all aspects of this subject. It first summarizes important clinical cardiology concepts, then applies basic principles of ultrasound to echocardiography.

CLINICS IN DIAGNOSTIC ULTRASOUND: DIAGNOSTIC ULTRASOUND IN GASTROINTESTINAL DISEASE
Taylor, Kenneth
Churchill Livingstone Inc., 1979, $19.50

Updated review of the various uses and findings of ultrasound in gastroenterology.

CLINICS IN DIAGNOSTIC ULTRASOUND: GENITOURINARY ULTRASONOGRAPHY
Rosenfield, Arthur T.
Churchill Livingstone Inc., (2nd Ed.), 1979, $19.50

Updated review of the role of ultrasound in the diagnosis of diseases of the genitourinary tract.

COMPREHENSIVE REVIEW FOR THE RADIOLOGIC TECHNOLOGIST
Stevens, Matthew; Phillips, Robert I.
C.V. Mosby Company, (3rd Ed.), 1977, $12.95

Designed to prepare the radiologic technologist for the National Registry Examination.

COMPUTED TOMOGRAPHY OF THE HUMAN BODY, AN ATLAS OF NORMAL ANATOMY

Alfidi, Ralph J.; Haaga, John et al.
C.V. Mosby Company, 1977, $41.50

Atlas features more than 200 illustrations of both cross sectional anatomy and CT images of the head and neck, chest, and abdomen.

CONTEMPORARY RADIOLOGY - AN INTRODUCTION TO IMAGING

Griffiths, H.J.; Sarno, R.C.
W.B. Saunders Company, 1979, $19.50

This is a basic text in radiology aimed at the average course for medical students. It is "modern" in that it covers the wider range of imaging techniques now available, in addition to plain-film and contrast-enhanced radiology.

CORRELATIONS IN DIAGNOSTIC IMAGING: NUCLEAR MEDICINE, ULTRASOUND, AND COMPUTED TOMOGRAPHY IN MEDICAL PRACTICE

Sodee, D. Bruce
Appleton-Century-Crofts, 1979, $22.00

Imaging experts from different fields share their opinions on an experience with imaging's major diagnostic procedures - nuclear medicine, ultrasound, and computed tomography.

CROSS SECTIONAL ANATOMY: COMPUTED TOMOGRAPHY AND ULTRASOUND CORRELATION

Carter, Barbara; Morehead, James et al.
Appleton-Century-Crofts, 1977, $49.50

Interpretation of the newer imaging modalities now available in radiology will be made more meaningful and more precise with the aid of this atlas.

CROSS-SECTIONAL ANATOMY: AN ATLAS FOR COMPUTERIZED TOMOGRAPHY

Ledley, R.S.; Huang, H.K.; Mazziotta, J.
Williams and Wilkins Company, 1977, $19.95

A cross sectional atlas for tomography that features color scans of living subjects.

DIAGNOSTIC IMAGING IN RENAL DISEASE

Rosenfield, Arthur T.; Glickman, Morton; Hodson, C. John
Appleton-Century-Crofts, 1979, $37.50

Guides radiologists, nephrologists, and urologists in obtaining the appropriate modality for accurate diagnosis. Newer uroradiologic studies such as computerized tomography, grey-scale ultrasound, and antegrade pyelography are explored in detail.

DIAGNOSTIC ULTRASOUND: A REVIEW OF CLINICAL APPLICATIONS AND THE STATE OF THE ART OF COMMERCIAL AND EXPERIMENTAL SYSTEMS

Bureau of Radiological Health
National Technical Information Service, PB 258-237/AS, 1976, $8.00

Report provides an overview of the current status of diagnostic ultrasound. Provides estimates of commercial diagnostic ultrasound market, the extent of clinical applications, descriptions of current training opportunities, and a list of professional societies involved in diagnostic ultrasound.

DIAGNOSTIC USES OF ULTRASOUND
Goldberg, Barry B.; Kotler, Morris M.
Grune and Stratton, Inc., 1975, $44.50

Provides a working knowledge of the principles of ultrasound and its applications and limitations.

ECHOCARDIOGRAPHY
Kleid, Jack J.; Arvan, Stephen B.
Appleton-Century-Crofts, 1978, $38.50

Text encompasses the basic principles of ultrasound. Every aspect of cardiovascular disease traceable through ultrasound techniques is covered.

ECHOCARDIOGRAPHY - A TEACHING ATLAS
Felner, Joel M.; Schlant, Robert C.
Grune and Stratton, Inc., 1977, $42.25

Intended as a teaching atlas for novices and as a compilation of excellent echocardiograms with pertinent descriptions and references for the accomplished cardiologist.

FUNDAMENTALS OF RADIOLOGIC TECHNOLOGY
Yokote, Roy T.; Seyer, Philip C.
University of California Extension, 1974, $121.00

Includes medical terminology; x-ray physics; radiation protection; film processing; controlling film quality; radiographic routine's ethics, nursing and patient psychology; introduction to positioning; overview of anatomical systems.

GRAY-SCALE ULTRASOUND: A MANUAL FOR PHYSICIANS AND TECHNICAL PERSONNEL
Bartrum, Royal J.; Crow, Harte C.
W.B. Saunders Company, 1977, $16.50

INTENSIVE CARE RADIOLOGY - IMAGING OF THE CRITICALLY ILL
Goodman, Lawrence R.; Putman, Charles (Eds.)
C.V. Mosby Company, 1978, $36.50

Practical reference on the important role of radiology in critical care. All support and monitoring devices are discussed with regard to function, normal radiographic appearance, and potential complications.

INTERACTION OF ULTRASOUND AND BIOLOGICAL TISSUES: PROCEEDINGS OF A CONFERENCE
Bureau of Radiological Health
National Technical Information Service, PB 220-143/AS, 1972, $17.00

Workshop held to provide an indication of the present state of knowledge in the area of ultrasound bioeffects and to define areas in which further work needs to be done.

INTRODUCTION TO CLINICAL RADIOLOGY - A CORRELATIVE APPROACH TO DIAGNOSTIC IMAGING
Daffner, Richard H.
C.V. Mosby Company, 1978, $14.95

Introductory text correlates radiologic patterns with the pathophysiology they indicate. Information on diagnostic ultrasound and computed tomography is incorporated.

INTRODUCTION TO THE PHYSICS OF DIAGNOSTIC RADIOLOGY
Christensen, E.E.; Curry, T.S.; Dowddy, J.E.
Lea and Febiger, 1978, $18.00

Contains essentials of radiation physics and reflects recent technologic advancements. Covers xeroradiography and electronic imaging, computerized axial tomography, ultrasound, thermography, and radiation protection.

MANUAL OF ULTRASONOGRAPHY
Taylor, Kenneth J.W. et al.
Churchill Livingstone Inc., 1980, $22.50

Features almost 400 illustrations and presents detailed information on scanning techniques and normal anatomy.

MEDICAL APPLICATIONS OF FLUORESCENT EXCITATION ANALYSIS
Kaufman, Leon (Ed.)
CRC Press, Inc., 1980, $49.95

Discusses basic FEA principles, instrumentation, and present and future biomedical applications.

MEDICAL IMAGING
Kreel, Louis; Steiner, Robert (Eds.)
Year Book Medical Publishers, 1979, $45.00

Directed to the student and technician whose training in nuclear medicine is limited to on-the-job training. Learning emphasis is on the physical science relating to nuclear medicine.

MEDICAL IMAGING TECHNIQUES - A COMPARISON
Preston, Kendall; Taylor, Kenneth; Johnson, Steven; Ayers, William
Plenum Publishing, 1979, $37.50

MULTIPLANAR ANATOMY OF THE HEAD AND NECK FOR COMPUTED TOMOGRAPHY
Palacios, Enrique; Fine, Michael; Haughton, Victor M.
John Wiley and Sons, Inc., 1980, $84.00

The first atlas-style reference to present sectional anatomy of the head and neck in four planes: axial, semiaxial, sagittal, and coronal. Coverage provides high-quality color photographs of both sides of each section, all with detailed anatomic labelling, plus radiographs correlated with corresponding computed tomography scans.

MULTIPLE IMAGING PROCEDURES
Vol. 1 - Pulmonary System
Siegelman, Stanley et al. (Eds.)
Grune and Stratton, Inc., 1979, $33.75

Vol. 2 - Central Nervous System
Wolpert, Samuel (Ed.),
Grune and Stratton, Inc., 1979, $26.50

Part of a series on multiple imaging procedures in diagnostic radiology and nuclear medicine.

NEW TECHNIQUES AND INSTRUMENTATION IN ULTRASONOGRAPHY
Wells, P.N.T.; Ziskin, Marvin C.
Churchill Livingstone Inc., 1980, $20.50

Reviews state-of-the-art clinical techniques and instrumentation with special focus on such topics as setting up a clinical ultrasound facility, tissue characterization, and so forth.

NONINVASIVE APPROACHES TO CARDIOVASCULAR DIAGNOSIS
Parisi, Alfred F.; Tow, Donald E.
Appleton-Century-Crofts, 1979, $14.95

Text discusses the relative merits and limitations of different approaches to the most commonly encountered forms of heart disease.

NONINVASIVE CARDIOVASCULAR DIAGNOSIS: CURRENT CONCEPTS
Diethrick, E.B. (Ed.)
University Park Press, 1978, $39.50

This volume is a report of the proceedings of the International Cardiovascular Congress I: Noninvasive Diagnosis.

NUCLEAR MEDICINE AND ULTRASOUND
Freeman, Leonard M.; Blaufox, M. Donald
Grune and Stratton, Inc., 1976, $23.50

Contents include such topics as ultrasound evaluation of the thyroid, applications to cardiovascular diagnosis, and the placenta-evaluation by radionuclides and ultrasound.

OBSTETRICAL DIAGNOSIS BY RADIOGRAPHIC, ULTRASOUND AND NUCLEAR MEDICINE
Campbell, John A.
Williams and Wilkins Company, 1977, $35.00

Contents include antenatal radiation hazards; radiographic diagnosis; physiologic adjustments in pregnancy; complications of pregnancy; contrast studies in obstetrics; diagnostic ultrasound in obstetrics and nuclear diagnosis in obstetrics.

PHYSICAL BASIS OF MEDICAL IMAGING
Coulam, Craig M.; Erickson, Jon; James, Everette A., Jr.; Rollo, F. David
Appleton-Century-Crofts, 1981, $49.50

Following a practical rather than theoretical approach, this book details current medical imaging methods. It covers such standard modalities as fluoroscopy, computed tomography, and ultrasonography as well as some newer methods including magnetic resonance imaging and digital fluoroscopy.

PHYSICAL PRINCIPLES OF DIAGNOSTIC RADIOLOGY
Sprawls, Perry
University Park Press, 1977, $24.50

Text for medical students and technologists covering concepts and physical principles necessary for proper selection, use, and interpretation of information derived by radiology.

PHYSICS OF MEDICAL IMAGING: RECORDING SYSTEM MEASUREMENTS AND TECHNIQUES

Haus, Arthur G. (Ed.)
American Institute of Physics, 1979, $35.00

Contains papers written by experts from medical institutions and industry with diagrams, charts and graphs. Presents medical imaging systems in terms of their basic characteristics, correct and established methods, and measurements for evaluation and selection and use for various diagnostic procedures.

PRIMER OF CLINICAL RADIOLOGY

Thompson, Thomas T.
Little, Brown and Company, (2nd Ed.), 1980, $13.95

Presents the basic principles of diagnostic radiology as they apply to medical and radiographic findings in disease processes.

PRINCIPLES AND PRACTICES OF ULTRASONOGRAPHY IN OBSTETRICS AND GYNECOLOGY

Sanders, Roger C.; Everette, James A., Jr.
Appleton-Century-Crofts, (2nd Ed.), 1980, $48.50

Described in detail are both the physical principles employed and the potential biological hazards in ultrasonography.

QUEST FOR AN IMAGE OF BRAIN

Oldendorf, William H.
Raven Press Publishers, 1980, $19.50

Traces the development of the modern technology of brain imaging from its roots in early shadow radiography to its present level. Presents its technical details and clinical applications and speculates on the methods of clinical neuro-imaging that may surpass CT by providing regional information on brain functions and chemistry.

RADIOGRAPHIC PHOTOGRAPHY AND IMAGING PROCESSES

Jenkins, D.J.
University Park Press, 1980, $29.50

A detailed sourcebook of the physical processes involved in producing a radiological image. Valuable either as a text or as a professional reference.

RADIOLOGIC SCIENCE FOR TECHNOLOGISTS: PHYSICS, BIOLOGY AND PROTECTION

Bushong, Stewart C.
C.V. Mosby Company, (2nd Ed.), 1980, $16.95

RADIOLOGIC SCIENCE WORKBOOK AND LABORATORY MANUAL

Bushong, Stewart C.
C.V. Mosby Company, (2nd Ed.), 1980, $10.50

Keyed specifically for use with Bushong's, Radiologic Science for Technologists: Physics, Biology and Protection.

RADIOLOGY FOR MEDICAL STUDENTS

Sutton, David
Churchill Livingstone Inc., (3rd Ed.), 1977, $13.00

Radiology and nuclear medicine technologists will find this book a concise reference for general radiologic procedures.

RECENT ADVANCES IN RADIOLOGY AND MEDICAL IMAGING - NUMBER 6
Lodge, T.; Steiner, R. (Eds.)
Churchill Livingstone Inc., 1979, $49.00

RECONSTRUCTION TOMOGRAPHY IN DIAGNOSTIC RADIOLOGY AND NUCLEAR MEDICINE
Ter-Pogossian, M. (Ed.)
University Park Press, 1977, $65.00

An advanced reference work detailing the basic physical and radiological aspects of CT scanning.

SECTIONAL ANATOMY AND TOMOGRAPHY OF THE HEAD
Potter, Guy D.
Grune and Stratton, Inc., 1971, $70.50

TEXTBOOK OF DIAGNOSTIC ULTRASONOGRAPHY
Hagen-Ansert, Sandra L.
C.V. Mosby Company, 1978, $44.50

Covers the fundamentals, techniques, and clinical applications of ultrasound scanning of the heart, abdomen, and pelvis. It is written for the beginning sonographer with emphasis on anatomy, physiology, pathology, and ultrasonic techniques and patterns.

TWO-DIMENSIONAL ECHOCARDIOGRAPHY
Kisslo, Joseph A.
Churchill Livingstone Inc., 1980, $20.50

Work emphasizes the latest methods in two-dimensional echocardiography and their practical clinical applicability in the evaluation and management of patients with cardiovascular disease.

ULTRASONOGRAPHY OF THE ABDOMEN
Hassoni, N.
Springer-Verlag, 1976, $19.90

Text covers the essential principles of ultrasound physics in a straightforward and comprehensive manner.

B. AUDIOVISUALS

ANALYSIS OF RADIOLOGICAL QUALITY
Donahue, Daniel P.
University Park Press
422-35 mm color slides, 1979, $475.00

BASIC PRINCIPLES OF COMPUTED TOMOGRAPHY VT-7131
Bureau of Radiological Health
3/4 " video cassette, 1977
Training Resource Center (HFX-73), available for free loan. Order by title and number.

An introduction to the physical principles of computed tomography. Includes a discussion of the evolution of the systems, how CT systems operate to detect health problems, and limitations of the systems relating to resolution and noise.

COMPUTED TOMOGRAPHY OF THE CENTRAL NERVOUS SYSTEM - BRAIN TUMOR
Hyman, Roger A.
Micro X-Ray Recorder, Inc.
35 mm B and W slides with audio cassette, Order No. CT-1A, $69.00

DIAGNOSTIC TESTS II PART 6 - URINARY SYSTEM: BLADDER FUNCTION TESTS, ULTRASONOGRAPHY AND RADIONUCLIDE STUDIES
Concept Media, Inc.
35 mm color filmstrip with narrative, $90.00

Discusses how cystometric techniques, ultrasonography, and radionuclide studies are used to evaluate bladder and kidney function.

ECHOCARDIOGRAPHY
Gramiak, Raymond
Radiological Society of North America
35 mm slides with audio cassette, $95.00

This presentation is intended to provide an overview of echocardiography for those considering entry into this field or for those already actively involved.

FORMATION OF THE X-RAY IMAGE
1. Production and Control of the X-Ray Image
2. Production and Control of Secondary and Scatter Radiation
3. Intensifying Screens
4. Measuring Quantity and Quality of the X-Ray Beam
5. Troubleshooting the X-Ray Image Forming System

James Picker Center of Continuing Education
Filmstrips, with audio cassettes, manual, $230.00

GENERAL CONCEPTS IN RADIOLOGIC IMAGING - VOL. IV

This volume completes the series on imaging with ionizing radiation. Radionuclide and computerized tomography (CT) scanning are first discussed briefly: basic principles, quality control, and clinical illustrations. The final section systematically reviews concepts common to all imaging systems, giving illustrative examples from conventional radiography, CT scanning and nuclear medicine.

PM 19 AND PM 20 - NUCLEAR MEDICINE IMAGING - PARTS I AND II
Sorenson, James A.
Radiological Society of North America

Following a comparison between nuclear medicine and x-ray imaging, basic principles and applications of cameras and scanners are reviewed.

PM 21 AND PM 22 - COMPUTERIZED X-RAY TOMOGRAPHY - PARTS I AND II
McCullough, Edwin C.
Radiological Society of North America

Basic concepts and principles are first reviewed, then related to resolution, contrast, and noise of the final image, with many clinical illustrations.

PM 23 AND PM 24 - UNIFYING CONCEPTS IN X-RAY, CT, AND NUCLEAR MEDICINE IMAGING - PARTS I AND II

Hendee, William R.
Radiological Society of North America
35 mm slides with audio cassette, $185.00 for entire Volume IV: PM 19-24

Four key aspects of image perception are sharpness, contrast, noise and distortion. These terms are first explained, then illustrated with examples from radiography, CT scanning, and nuclear medicine.

INTRODUCTION TO MEDICAL RADIOGRAPHY

James Picker Center for Continuing Education

BX-110 Introduces the many basic concepts and principles which underlie medical radiography.
4 audio cassettes, 5 filmstrips, manual, $300.00

BX-120 - Helps participant discover what is meant by density, contrast and sharpness and how they interact to produce radiographic quality.
2 audio cassettes, 3 filmstrips, manual, $195.00

BX-130 - Helps participant apply theory learned to this point.
3 videotapes, manual $950.00

BX-140 - Emphasis is placed on common radiographic studies with special attention directed to anatomy and positioning.
6 audio cassettes, 6 filmstrips, manual, $300.00

MEDICAL ASPECTS OF COMPUTED TOMOGRAPHY SYSTEMS VT-7108

Bureau of Radiological Health
3/4" video cassette, 1977
Training Resource Center (HFX-73), available for free loan. Order by title and number.

Discussion of the applications of CT in medical diagnosis, especially in emergency situations. Many sample scans are presented along with a discussion of the efficacy of the procedure in diagnosing the patient's condition. Also included are scenes of both a head and body scanner in use.

QUALITY ASSURANCE OF COMPUTED TOMOGRAPHY SYSTEMS VT-7037

Bureau of Radiological Health
3/4" video cassette, 1977
Training Resource Center (HFX-73), available for free loan. Order by title and number.

Describes the use of a specially constructed 4-module phantom for use in implementing a quality assurance program for computed tomography systems.

RADIOLOGICAL AND RADIOISOTOPE DIAGNOSIS OF PERIHEPATIC ABSCESSES

Sanders, R.C.; Minkin, Sanford D.; James, A. Everett, Jr.
Radiological Society of North America
35-mm slides with audio cassette, $35.00

With the increased use of antibiotics, abscesses around the liver have become more difficult to diagnose. Techniques available for radiological and isotopic diagnosis of such abscesses are illustrated in this exhibit.

THEORY OF COMPUTED TOMOGRAPHY SYSTEMS VT-7036

Bureau of Radiological Health
3/4" video cassette, 1977
Training Resource Center (HFX-73), available for free loan. Order by title and number.

Basic review of radiation physics as it relates to CT systems. Discussion of the algorithmic properties of CT systems and the image performance characteristics that are necessary to describe CT systems.

TOMOGRAPHY

Research Media, Inc.
28-35 mm slides, $29.00

21. MISCELLANEOUS

A. PUBLICATIONS

APPROACHES TO TEACHING IN THE HEALTH SCIENCES
Knopke, Harry; Diekelmann, Nancy
Addison-Wesley Publishing Co., Inc., 1979, $11.95

Practical suggestions for the unique problems of health sciences teachers. Includes discussions of clinical teaching and supervision, instructional media, and learning packages.

BRH PUBLICATIONS INDEX
Bureau of Radiological Health
Superintendent of Documents, U.S. Government Printing Office
No. 017-015-00160-1, 1979, $5.50

COMMUNICATION AND COMPLIANCE IN A HOSPITAL SETTING
Withersty, David J.
Charles C. Thomas, Publisher, 1980, $18.50

COMMUNICATIONS IN A HEALTH CARE SETTING
Eisenberg, Myron G.; Falconer, Judith; Lafaye, C. Sutkin
Charles C. Thomas, Publisher, 1980, $19.75

Specifies techniques for enhancing communication between any individuals or groups connected with health care.

ENGLISH FOR THE FOREIGN PHYSICIAN
Martins, Jose-Murilo
Charles C. Thomas, Publisher, 1974, $8.25

ESSENTIALS OF ALLIED HEALTH SCIENCES
Enger, Eldon D. et al.
Wm. C. Brown Company Publishers, 1978, $9.70

Students are introduced to the various biological and chemical principles that must be applied in the practice of the allied health sciences.

ESSENTIALS OF AN ACCREDITED EDUCATIONAL PROGRAM IN NUCLEAR MEDICINE TECHNOLOGY
AMA Council on Medical Education
Society of Nuclear Medicine, 1976, no charge

Standards to be used by the Joint Review Committee on Nuclear Medicine Technology in providing recognition to educational programs in nuclear medicine technology.

FROM IDEA TO APPLICATION: SOME SELECTED NUCLEAR TECHNIQUES IN RESEARCH AND DEVELOPMENT
Unipub, 1978, $24.00

Traces the evolution of nuclear techniques from the time they were used for fundamental studies only to their current use in applied research and technological development.

GRAPHS AND TABLES FOR USE IN RADIOLOGY
Wachsmann, F.; Drexler, G.
Springer-Verlag, (2nd Ed.), 1976, $19.70

Includes sections on nuclear medicine, roentgen diagnoses, and radiation protection, as well as statistical data on common biomedical findings.

HERITAGE OF NUCLEAR MEDICINE
Brucer, M.; Harris, C.C.; MacIntyre, W.J.; Taplin, G.V.; Sorenson, J.A. (Eds.)
Society of Nuclear Medicine, 1979, $17.00

31 seminal papers that laid the intellectual groundwork for the modern science of nuclear medicine. Papers date from the late 19th century through 1960. Many of these contributions led to Nobel Prizes.

MEDICAL WRITING: THE TECHNIC AND THE ART
Fishbein, Morris
Charles C. Thomas, Publisher, (4th Ed.), 1978, $12.75

MERCK MANUAL
Berkow, Robert (Ed.)
Merck and Co., Inc., (13th Ed.), 1977, $9.75

NATURAL BACKGROUND RADIATION IN THE UNITED STATES
National Council on Radiation Protection and Measurements
Report No. 45, 1975, $7.00

NUCLEAR MEDICINE AND YOU
American College of Radiology
Booklet, $10.45 for 100 copies

Patient information booklet describing the role of the nuclear medicine radiologist.

RADIOLOGICAL HEALTH TRAINING RESOURCES CATALOG
Bureau of Radiological Health
BRH Technical Information Staff (HFX-28)
FDA 81-8023, 1981, free of charge

Titles in this catalog are limited to radiological health subjects only. They include a variety of topics ranging from fundamentals to historical perspectives to current state of the art.

RAYS - A HISTORY OF RADIOLOGY IN THE U.S. AND CANADA
Brecher, Ruth; Brecher, Edward
Robert E. Krieger Publishing Company, Inc. 1969, $21.50

SOURCE BOOK OF EDUCATIONAL MATERIALS FOR RADIATION THERAPY
Bureau of Radiological Health
Superintendent of Documents, U.S. Government Printing Office
No. 017-015-00159-8, 1979, $4.50

Listing of educational materials in radiation therapy. The 17 sections correspond to the subjects identified in the ASRT Curriculum Guide. Each section is divided into publications, audiovisuals, and in some sections, training aids.

SOURCE BOOK OF EDUCATIONAL MATERIALS FOR MEDICAL RADIOGRAPHERS
Bureau of Radiological Health
Superintendent of Documents, U.S. Government Printing Office
No. 017-015-00143-1, 1977, $2.50

Listing of educational materials in diagnostic radiologic technology. The 12 sections correspond to the subjects identified in the ASRT Curriculum Guide. Each section is divided into publications, audiovisuals, and in some sections, training aids.

SYMPOSIUM ON BIOLOGICAL EFFECTS, IMAGING TECHNIQUES, AND DOSIMETRY OF IONIZING RADIATIONS
Bureau of Radiological Health
Superintendent of Documents, U.S. Government Printing Office
No. 017-015-00175-0, $8.00

TEACHING IN THE HEALTH PROFESSIONS
Ford, Charles W.; Morgan, Margaret K.
C.V. Mosby Company, 1976, $15.95

Offers an alternative in the learning process, replacing on-the-job and in-service training by utilizing competency-based education within the framework of a systems approach.

TRACER KINETIC METHODS IN MEDICAL PHYSIOLOGY
Lassen, N.A.; Perl, W.
Raven Press Publishers, 1979, $24.00

Provides a concise introduction to the mathematical treatment of tracers as used in medical and physiological research.

TRAIL OF THE INVISIBLE LIGHT: FROM X-STRAHLEN TO RADIO (BIO) LOGY
Grigg, E.R.N.
Charles C. Thomas, Publisher, 1965, $46.75

Covers the three stages in the history of radiology...the era of the roentgen pioneeers, the golden age of radiology, and the atomic phase.

WRITING SCIENTIFIC PAPERS IN ENGLISH
O'Connor, M.
University Park Press, 1978, $5.95

YEAR BOOK OF NUCLEAR MEDICINE
Year Book Medical Publishers
1978, $27.95; 1979, $29.95; 1980, $34.95; 1981, $35.95

This is an annual publication. There are approximately 300 selected articles from nuclear medicine journals published in the previous year. All articles have related comments from the authors.

B. AUDIOVISUALS

DARKROOM CHEMISTRY - SEEING IS BELIEVING
Ballinger, Philip W.
Ballinger Enterprise, Inc.
35 mm color slide series, $45.00

FILM PROCESSING - UNIT V
James Picker Center of Continuing Education
5 filmstrips, 5 audio cassettes, manual, $300.00

Complete treatment of x-ray film and film processing and effects on radiographic quality.

INTER-PERSONAL COMMUNICATION SERIES
Harris-Tuchman Production, Inc.
Filmstrips with audio cassette or record, Order No. HR-200
All 3 - $170.00, any 2 - $130.00, single filmstrip - $70.00

1. How to Handle Complaints - Presents a practical, easy-to-follow formula that wins cooperation and averts problems.

2. Communicating Face-to-Face - Identifies the common barriers of inter-personal communication and how to overcome them.

3. How to Listen More Effectively - Presents the principles involved in effective listening and provides the significant keys to building better listening habits.

MODERN METHODS OF VENOUS BLOOD COLLECTION
Tucker, E.R.; Weingarten, M.
Scientificom-Division of La Rue Communications, Inc.
16 mm color/sound film, free loan
80-35 mm color slides/sound and transcript, $45.00

Discusses venipuncture technique, patient and tray preparation, multiple specimens collection, and handling of specimens following collection; covers special situations such as missed or transfixed veins.

NATIONAL MEDICAL AUDIOVISUAL CENTER CATALOG
National Medical Audiovisual Center
Superintendent of Documents, U.S. Government Printing Office
No. 017-052-00221-0, 1981, $7.00

OPERATION PRINCIPLES OF X-RAY MACHINES
Unit 11 - Photochemistry of X-Ray Film
Unit 12 - X-Ray Film Processing
Nuclear Associates, Inc.
35 mm slides with audio cassette and student and instructor's manual
Order No. 48-717, $220.00 for both

RADIOGRAPHIC PROCESSING
U.S. Veterans Administration
American Society of Radiologic Technologists

Function of Processing
Theory of Processing
A Short History of Processors
Basic Sensitometry
Chemistry System - Developer
Chemistry System - Fixer and Wash
Chemistry System - Archival Quality and Safety
Transport System
Temperature Control System
Replenishment System
Circulation/Filtration System
Drying System
Electrical System
Maintenance Lubrication, Trouble Shooting
Artifact Film Interpretation
Basis of Consistent Sensitometric Quality
Color video tapes, $1,100 entire set, $30.00 rental per tape per week

TECHNIQUES OF PARENTERAL INJECTION
Scientificom-Division of La Rue Communications Inc.
16 mm color film with sound, free loan

Discusses correct procedures for administering medication by intramuscular, intradermal, subcutaneous, and intravenous routes; includes patient reassurance, site preparation, correct needle position, and post-procedure patient check.

YOUR NUCLEAR MEDICINE EXAMINATION
Nuclear Associates, Inc.
35 mm color slides, Order No. 48-604, $95.00; 35 mm filmstrip
Order No. 48-614, $35.00

An audiovisual for patients explaining the steps taken during nuclear medicine imaging.

22. DIRECTORY OF SOURCES

A. PRODUCERS OF PUBLICATIONS

Academic Press
111 Fifth Avenue
New York, New York 10003

Addison-Wesley Publishing Co., Inc.
Jacob Way
Reading, Massachusetts 01867

American Cancer Society National Headquarters
777 3rd Avenue
New York, New York 10017

or

American Cancer Society
Refer to area telephone directory for local society

American College of Radiology
Commission of Radiologic Units and Standards
20 North Wacker Drive
Chicago, Illinois 60606

American Institute of Physics
Marketing Services
335 East 45th Street
New York, New York 10017

American Society of Clinical Pathologists
Customer Service Department
P.O. Box 12073
Chicago, Illinois 60612

American Society of Radiologic Technologists
c/o Waverly Press
428 East Preston Street
Baltimore, Maryland 21202

Ann Arbor Science
c/o Butterworths
10 Tower Office Park
Woburn, Massachusetts 01801

Appleton-Century-Crofts
c/o Prentice-Hall, Inc.
Order Department
Englewood Cliffs, New Jersey 07632

Arco Publishing Company, Inc.
219 Park Avenue, South
New York, New York 10003

Aspen Systems Corporation
20010 Century Boulevard
Germantown, Maryland 20767

Banyan Enterprises
P.O. Box 27825
Honolulu, Hawaii 96827

Bobbs-Merrill Company, Inc.
4300 West 62nd Street
Indianapolis, Indiana 46268

Robert J. Brady Company
A Prentice-Hall Company
Route 197
Bowie, Maryland 20715

British Institute of Radiology and
British Radiological Protection Association
32 Welbeck Street, London
W 1 M 7 PG, England

Wm. C. Brown Company Publishers
2460 Kerper Boulevard
Dubuque, Iowa 52001

BRH Technical Information Staff (HFX-28)
5600 Fishers Lane
Rockville, Maryland 20857

Burgess Publishing Company
7108 Ohms Lane
Minneapolis, Minnesota 55435

Butterworths Publishing, Inc.
10 Tower Office Park
Woburn, Massachusetts 01801

Cambridge University Press
32 E. 57th Street
New York, New York 10022

Catholic Health Association of the United States
c/o Publications Department
1438 South Grand Boulevard
St. Louis, Missouri 63104

Churchill Livingstone Inc.
19 West 44th Street, Suite 301
New York, New York 10036

Crane Russak and Company, Inc.
347 Madison Avenue
New York, New York 10017

CRC Press, Inc.
2000 N.W. 24th Street
Boca Raton, Florida 33431

F.A. Davis Company
1915 Arch Street
Philadelphia, Pennsylvania 19103

Marcel Dekker, Inc.
270 Madison Avenue
New York, New York 10016

Delmar Publishers
50 Wolf Road
Albany, New York 12205

Elsevier North Holland, Inc.
52 Vanderbilt Avenue
New York, New York 10017

Future Publishing Co., Inc.
295 Main Street
Mount Kisco, New York 10549

Warren H. Green Publishers, Inc.
10 South Brentwood Boulevard
St. Louis, Missouri 63105

Grune and Stratton, Inc.
111 5th Avenue
New York, New York 10003

Halls of Ivy Press
13050 Raymer Street
North Hollywood, California 91605

Harper and Row Publishers
Medical Department
2350 Virginia Avenue
Hagerstown, Maryland 21740

Harvard University Press
79 Garden Street
Cambridge, Massachusetts 02138

Verlag H. Hoffman, Publisher
c/o Gerald Hine
961 Gapter Road
Boulder, Colorado 80303

Johns Hopkins University Press
Charles and 34th
Baltimore, Maryland 21218

International Commission on Radiation Units
P.O. Box 30165
Washington, D.C. 20014

Robert E. Krieger Publishing Company, Inc.
P.O. Box 542
Huntington, New York 11743

Lea and Febiger
600 South Washington Square
Philadelphia, Pennsylvania 19106

Lexington Books
Division of D.C. Heath & Company
125 Spring Street
Lexington, Massachusetts 02173

Lippincott/Harper
East Washington Square
Philadelphia, Pennsylvania 19105

Little, Brown and Company
Medical Division
34 Beacon Street
Boston, Massachusetts 02106

Macmillan Publishing Co., Inc.
Front and Brown Streets
Riverside, New Jersey 08075

Masson Publishing USA, Inc.
14 East 60th Street
New York, New York 10022

McGraw-Hill Book Company
Princeton Hightstown Road
Hightstown, New Jersey 08520

Medical Examination Publishing Co., Inc.
969 Stewart Avenue
Garden City, New York 11530

Merck and Co., Inc.
Publications Dept. 32-62
P.O. Box 2000
Rahway, New Jersey 07065

C.V. Mosby Company
11830 Westline Industrial Drive
St. Louis, Missouri 63141

National Academy of Sciences
Academy Press Sales
2101 Constitution Avenue, N.W.
Washington, D.C. 20418

National Council on Radiation Protection and Measurements
NCRP Publication
P.O. Box 30175
Washington, D.C. 20014

National Technical Information Service
5285 Port Royal Road
Springfield, Virginia 22161

New England Nuclear
549 Albany Street
Boston, Massachusetts 02118

Oxford University Press, Inc.
16-00 Pollitt Drive
Fair Lawn, New Jersey 07410

Pergamon Press
Maxwell House, Fairview Park
Elmsford, New York 10523

Plenum Publishing
227 West 17th Street
New York, New York 10011

Prentice-Hall, Inc.
Route 9W
Englewood Cliffs, New Jersey 07632

PSG Publishing Co., Inc.
545 Great Road
Littleton, Massachusetts 01460

Raven Press Publishers
1140 Avenue of the Americas
New York, New York 10036

W.B. Saunders Company
Customer Service
218 West Washington Square
Philadelphia, Pennsylvania 19105

Scientific Newsletters, Inc.
P.O. Box 4546
Anaheim, California 92803

Society of Nuclear Medicine
475 Park Avenue South
New York, New York 10016

Springer-Verlag
Customer Service
175 Fifth Avenue
New York, New York 10010

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

The Bobbs-Merrill Company, Inc.
4300 West 62nd Street
Indianapolis, Indiana 46268

Charles C. Thomas, Publisher
301-327 East Lawrence Avenue
Springfield, Illinois 62717

Unipub
345 Park Avenue South
New York, New York 10010

University of California Extension
2223 Fulton Street
Berkeley, California 94720

University of New Mexico Radiopharmacy
College of Pharmacy/Radiopharmacy
University of New Mexico
Albuquerque, New Mexico 87131

University Park Press
233 East Redwood Street
Baltimore, Maryland 21202

Urban Schwartzenberg
7 East Redwood Street
Baltimore, Maryland 21202

John Wiley and Sons, Inc.
1 Wiley Drive
Somerset, New Jersey 08873

Williams and Wilkins Company
428 East Preston Street
Baltimore, Maryland 21202

Yale University Press
92 A Yale Station
New Haven, Connecticut 06520

Year Book Medical Publishers
35 East Wacker Drive
Chicago, Illinois 60601

B. AUDIOVISUAL PRODUCERS

Abbott Laboratories
Professional Relations Department
383 Abbott Park
North Chicago, Illinois 60064

American Cancer Society
Refer to area telephone directory for local society

American Red Cross
c/o Audio Visual Loan Library
5816 Seminary Road
Falls Church, Virginia 22041

American Society of Clinical Pathologists
Customer Service Department
P.O. Box 12073
Chicago, Illinois 60612

American Society of Radiologic Technologists
55 East Jackson Boulevard
Suite 1820
Chicago, Illinois 60604

Association Films
600 Grand Avenue
Ridgefield, New Jersey 07657

Audio Visual Concepts, Inc.
1525 East 53rd Street
Suite 826
Chicago, Illinois 60615

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Columbus, Ohio 43221

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Fullerton, California 92634

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P.O. Box 19542
Irvine, California 92714

CRC Press, Inc.
2255 Palm Beach Lakes Boulevard
West Palm Beach, Florida 33409

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425 North Michigan Avenue
Chicago, Illinois 60611

G.A.F. Corporation
25 Ozalid Road
Johnson City, New York 13790

Harris Tuchman Productions, Inc.
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Burbank, California 91506

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Division of Health Professions
East Washington Square
Philadelphia, Pennsylvania 19105

Medcom Products
1633 Broadway
New York, New York 10019

Micro X-Ray Recorder, Inc.
Medical Film Slide Division
3755 West Lawrence
Chicago, Illinois 60625

Multi-Media Publishing Company
1393 South Inca
Denver, Colorado 80223

National Audiovisual Center
Distribution Branch
General Services Administration
Washington, D.C. 20409

National Medical Audiovisual Center
National Library of Medicine
Bethesda, Maryland 20209

New England Nuclear
549 Albany Street
Boston, Massachusetts 02118

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100 Voice Road
Carle Place, New York 11514

James Picker Center for Continuing Education
1020 London Road
Cleveland, Ohio 44110

Radiation Management Corporation
P.O. Box 7940
Philadelphia, Pennsylvania 19101

Radiological Society of North America, Inc.
Educational Materials Division
P.O. Box 1897
Chicago, Illinois 60690

Research Media, Inc.
P.O. Box 209
Cambridge, Massachusetts 02138

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West Washington Square
Philadelphia, Pennsylvania 19105

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P.O. Box 3670
Fullerton, California 92634

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708 North Dearborn Street
Chicago, Illinois 60610

Society of Nuclear Medicine
Audiovisual Division
The Central Chapter Technologist Section
P.O. Box 11307
Chicago, Illinois 60611

Society of Nuclear Medicine
475 Park Avenue South
New York, New York 10016

Technicare Corporation
P.O. Box 5130
Cleveland, Ohio 44101

The Bobbs-Merrill Company, Inc.
4300 West 62nd Street
Indianapolis, Indiana 46268

Training Resource Center (HFX-73)
Bureau of Radiological Health
Food and Drug Administration
5600 Fishers Lane
Rockville, Maryland 20857

University Park Press
233 East Redwood Street
Baltimore, Maryland 21202

John Wiley and Sons, Inc.
1 Wiley Drive
Somerset, New Jersey 08873

Williams and Wilkins Company
428 East Preston Street
Baltimore, Maryland 21202

C. TRAINING AIDS

Alderson Research Laboratories, Inc.
390 Ludlow Street
P.O. Box 1271
Stamford, Connecticut 06904

American Cancer Society
Refer to area telephone directory for local society

Humanoid Systems
747 East 223rd Street
Carson, California 90745

Medical Plastics Laboratory, Inc.
P.O. Box 38
Gatesville, Texas 76528

3 M Company
3 M Center
St. Paul, Minnesota 55101

Nuclear Associates, Inc.
100 Voice Road
Carle Place, New York 11514

D. PERIODICALS

British Journal of Radiology
British Institute of Radiology
32 Welback Street
London W 1 M 7 PG, England

Clinical Chemistry
American Association for Clinical Chemistry
Box 5218
Winston-Salem, North Carolina 27106

Clinical Nuclear Medicine
J.B. Lippincott
East Washington Square
Philadelphia, Pennsylvania 19105

CRC Critical Reviews in Diagnostic Imaging
Chemical Rubber Company
2255 Palm Beach Lake
West Palm Beach, Florida 33409

European Journal of Nuclear Medicine
North America, Springer-Verlag, New York, Inc.
Service Center
44 Hartz Way
Secaucus, New Jersey 07094

International Journal of Nuclear Medicine and Biology
Pergamon Press Inc., Maxwell House
Fairview Park
Elmsford, New York 10523

Journal of Medical Ethics
Society for the Study of Medical Ethics
Professional and Scientific Publications
B.M.A. House, Tavistock Square
London W C 1 H 9 R, England

U.S. address:

1172 Commonwealth Avenue
Boston, Massachusetts 02134

Journal of Nuclear Medicine
Society of Nuclear Medicine
211 East 43rd Street
New York, New York 10017

Journal of Nuclear Medicine & Allied Sciences
Italian Association of Biology & Nuclear Medicine
Edizioni Minerva Medica, Corso Bramante 83/85
10126 Turin, Italy

Journal of Nuclear Medicine Technology
Society of Nuclear Medicine
211 East 43rd Street
New York, New York 10017

Medical Physics
American Institute of Physics
335 East 45th Street
New York, New York 10017

Medical Progress through Technology
Springer-Verlag
175 5th Avenue
New York, New York 10010

Physics of Medicine in Biology
American Institute of Physics, Dept. N/M
335 East 45th Street
New York, New York 10017

Radiation Physics and Chemistry
Pergamon Press
Fairview Park
Elmsford, New York 10523

Radiation Protection Dosimetry
Nuclear Technology Publishing
Courtenay House
Warwick Lane, London E.C.1
England

Radioisotopes
Japan Radioisotope Association
Nihon Hoshasei Doigenso Kyokai, 2-28-45
Honkomagome, Bunkyo-ku, Tokyo 113
Japan

Radiology
Radiological Society of North America, Inc.
20th & Northampton Streets
Easton, Pennsylvania 18042

Seminars in Nuclear Medicine
Grune and Stratton
111 5th Avenue
New York, New York 10003

Yearbook of Nuclear Medicine
Year Book Medical Publishers
35 East Wacker Drive
Chicago, Illinois 60606

FDA 81-8027 Directory of Personnel Responsible for Radiological Health Programs (supersedes FDA 80-8027, March 1980).

FDA 81-8033 Bureau of Radiological Health Publications Index (supersedes FDA 79-8033) (PB 81-156192, $18.50).

FDA 81-8034 Report of State and Local Radiological Health Programs, Fiscal Year 1979 (PB 81-167678, $6.50).

FDA 81-8042 CSU-FDA Collaborative Radiological Health Laboratory Annual Report 1979 (PB 81-184566, $15.50).

FDA 81-8070 Bureau of Radiological Health Publications Subject Index (supersedes FDA 80-8070, May 1980) (PB 81-149478, $5.00).

FDA 81-8136 Optical Radiation Emissions from Selected Sources: Part I - Quartz Halogen and Fluorescent Lamps (GPO 017-015-00177-6, $6.50) (PB 81-139693, mf only).

FDA 81-8139 Quality Assurance in Diagnostic Ultrasound - A Manual for the Clinical User (GPO 017-015-00179-2, $4.00) (PB 81-139727, mf only).

FDA 81-8141 Quality Assurance in Diagnostic Radiology and Nuclear Medicine - The Obvious Decision (PB 81-164477, $14.00).

FDA 81-8142 Use of Photographic Film to Estimate Exposure Near the Three Mile Island Nuclear Power Station (PB 81-183402, $6.50).

FDA 81-8143 Procedures for Evaluating Nonperturbing Temperature Probes in Microwave Fields (GPO 017-015-00189-0, $2.75) (PB 81-205882, mf only).

FDA 81-8144 Assembler's Guide to Diagnostic X-Ray Equipment.

FDA 81-8146 Radiographic Film Processing Quality Assurance: A Self-Teaching Workbook (GPO 017-015-00180-6. $4.00) (PB 81-163974, mf only).

FDA 81-8147 Quality Assurance in Diagnostic Radiology: A Guide for State Program Implementation (PB 81-175747, $9.50).

FDA 81-8150 The Correlated Lecture Laboratory Series in Diagnostic Radiological Physics (GPO 017-015-00184-9, $4.50) PB 81-183444, mf only).

FDA 81-8151 A Feasibility Study of the Biological Effects of Fallout on People in Utah, Nevada, and Arizona (PB 81-187692, $5.00).

FDA 81-8152 Annual Report of the Division of Biological Effects, Bureau of Radiological Health - Fiscal Year 1979 (PB 81-187155, $11.00).

FDA 81-8153 An Evaluation of Radiation Emission from Video Display Terminals (GPO 017-015-00187-3, $4.25) (PB 81-198483, mf only).

FDA 81-8155 A Practitioner's Guide to the Diagnostic X-Ray Equipment Standard (GPO 017-015-00185-7, $1.25).

FDA 81-8156 Symposium on Biological Effects and Measurement of Light Sources (GPO 017-015-00191-1, $6.50) (PB 81-214223, mf only).

FDA 81-8157 An Intercomparison of Nuclear Medicine, Ultrasonography, and Computed Tomography in the Diagnosis of Liver Disease: A Retrospective Study (PB 81-199044, $6.50).

FDA 81-8158 Background Material for the Development of the Food and Drug Administration's Recommendations on Thyroid-Blocking with Potassium Iodide (GPO 017-015-00188-1, $2.25) (PB 81-205361, mf only).

FDA 81-8161 BRH Routine Compliance Testing for Diagnostic X-Ray Systems (PB 81-201501, $15.50).

FDA 81-8162 Handbook of Computed Tomography -X-Ray Spectra (PB 81-295890, $11.00).

FDA 81-8163 Airborne Ultrasound: Measurement and Possible Adverse Effects (GPO 017-015-00193-8, $2.00).

FDA 81-8164 Calculation Programs for Routine Compliance Testing of Diagnostic X-Ray Systems (PB 81-200503, $8.00).

FDA 81-8166 Third International Radiopharmaceutical Dosimetry Symposium (October 1980 (GPO 017-015-00194-6, $11.00).

FDA 81-8171 Self-Assessment and Competency Assurance Education in Diagnostic Radiologic Technology: Final Report (September 30, 1977 to April 30, 1980).